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                     GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on:         February 8, 2003, 11:27:20 ; Search time 11 Seconds
                                             (without alignments)
                                             135.031 Million cell updates/sec

Title:          US-09-537-858C-1_COPY_25_91
Perfect score:  370
Sequence:       1 FYSSDTTPCCFAYIARPLPR ........ VCANPEKKWVPEYINSLEMS 67

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       123505 seqs, 22169297 residues

Tot[illegible]umber of hits satisfying chosen parameters:      55761

Minimum DB seq length: 0
Maximum DB seq length: 67

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Published_Applications_AA:*
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                2:   /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
                3:   /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
                4:   /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
                5:   /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
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                14:   /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

    Pred. No. is the number of results predicted by chance to have a
    score greater than or equal to the score of the result being printed,
    and is derived by analysis of the total score distribution.

                               SUMMARIES
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Result          Query
  No.   Score   Match Length DB  ID                      Description
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     1    332    89.7     60  9  US-09-888-938-5          Sequence 5, Appli
     2    325    87.8     67 10  US-09-144-838-38         Sequence 38, Appl
     3    314    84.9     67 10  US-09-144-838-41         Sequence 41, Appl
     4    269    72.7     66 10  US-09-144-838-37         Sequence 37, Appl
     5    268    72.4     67 10  US-09-144-838-36         Sequence 36, Appl
     6    260    70.3     67 10  US-09-144-838-33         Sequence 33, Appl
     7    257    69.5     67 10  US-09-144-838-39         Sequence 39, Appl
     8    212    57.3     66 10  US-09-144-838-35         Sequence 35, Appl
     9    203    54.9     67 10  US-09-144-838-31         Sequence 31, Appl
    10    198    53.5     67 10  US-09-144-838-30         Sequence 30, Appl
    11    188    50.8     35 10  US-09-144-838-22         Sequence 22, Appl
    12    187    50.5     67 10  US-09-144-838-49         Sequence 49, Appl
    13    182    49.2     33 10  US-09-144-838-15         Sequence 15, Appl
    14  171.5    46.4     34 10  US-09-144-838-16         Sequence 16, Appl
    15    168    45.4     66 12  US-10-153-064-87         Sequence 87, Appl
    16  142.5    38.5     67 10  US-09-144-838-25         Sequence 25, Appl
    17    141    38.1     67 10  US-09-144-838-28         Sequence 28, Appl
    18    137    37.0     32 10  US-09-144-838-14         Sequence 14, Appl
    19    137    37.0     66 10  US-09-144-838-29         Sequence 29, Appl
    20    132    35.7     34 10  US-09-144-838-21         [illegible]
    21    131    35.4     35 10  US-09-144-838-20         [illegible]
    22    130    35.1     67 10  US-09-144-838-47         [illegible]
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    24    127    34.3     40  9  US-09-835-107-33         [illegible]
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    30     88    23.8     54 10  US-09-864-761-48         [illegible]
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    37   85.5    23.1     67  9  US-09-852-424-1          [illegible]
    38   85.5    23.1     67  9  US-09-852-424-2          [illegible]
    39   85.5    23.1     67  9  US-09-852-424-6          [illegible]
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    43   85.5    23.1     67 10  US-09-144-838-8          [illegible]
    44   85.5    23.1     67 10  US-09-144-838-23         [illegible]
    45     85    23.0     66 10  US-09-144-838-17         [illegible]


                              ALIGNMENTS


RESULT 1
US-09-888-938-5
; Sequence 5, Application US/09888938
; Patent No. US20020155429A1
; GENERAL INFORMATION:
;  APPLICANT: Graham P. Allaway
;  TITLE OF INVENTION: A METHOD FOR PREVENTING HIV
;  FILE REFERENCE: [illegible]
;  CURRENT APPLICATION NUMBER: US/09/888,938
;  CURRENT FILING DATE: 2001-06-25
;  NUMBER OF SEQ ID NOS: 2[illegible]
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 60
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-888-938-5

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  Matches   60;  Conservative    0;  Mismatches

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Db          1 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQ


RESULT 2
US-09-144-838-38
; Sequence 38, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries a
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
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;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
;   LENGTH: 67
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-38

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; S[illegible]uence 41, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 41
;   LENGTH: 67
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-41

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  Best Local Similarity   88.5%,  Pred. No. 1.1e-29,
  Matches   54;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

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                ||||||||||||||||||||||||||||||||||||||||||||||||| .|. ||  ||
Db          2 PYSSDTTPCCFAYIAPPLPPAHIKEYFYTSGKCSNPAVVFVTRKNRQVCIDPKLKWIQEY 61

Qy         61 I 61
              :
Db         62 L 62


RESULT 4
US-09-144-838-37
; Sequence 37, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER,FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
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;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
;   LENGTH: 66
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US 09-144-838-37

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                ||||||||||||||||||||||||||||||||||||||||| :|: ||::||:
Db          9 CCFAYIAPPLPPAHIKEYFYTSGKCSNPAVVFVTRKNRQVCIDPKLKWIQEYL 61


RESULT 5
US-09-144-838-36
; Sequence 36, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
,  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
,  CURRENT APPLICATION NUMBER. US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
,  EARLIER FILING DATE: 1997-09-04
,  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
;   LENGTH: 67
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
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,   OTHER INFORMATION  Description of Artificial Sequence: Synthetic
US 09 144 838 36

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Db          9 CCFAYIAPPLPPAHIKEYFYTSGKCALQIVAPLKNNNRQVCANPEKKWVREYINSLEMS 67


RESULT 6
US-09-144-838-33
; Sequence 33, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
,  APPLICANT: Simon, Reyna
,  APPLICANT. Kent, Stephen B.H.
,  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH. 67
;   TYPE: PRT
,   ORGANISM. Artificial Sequence
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                       GenCore version 5.1.3
            Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on:         February 8, 2003, 11:24:05 ; Search time 14 Seconds
                                            (without alignments)
                                            140.810 Million cell updates/sec

Title:          US-09-537-858C-1_COPY_25_91
Perfect score:  370
Sequence:       1 PYSSDTTPCCFAYIARPLPR..........VCANPEKKWVREYINSLEMS 67

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched        262574 seqs, 29422922 residues

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Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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     Pred. No. is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution

                              SUMMARIES
                %
Result        Query
  No.  Score  Match Length DB ID                            Description
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    2    353   95.4     66  1  US-08-330-163-14             Sequence 14, Appl
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    5    332   89.7     60  4  US-08-831-823-5              Sequence 5, Appli
    6    195   52.7     65  1  US-08-330-163-15             Sequence 15, Appl
    7    195   52.7     65  1  US-08-482-111-15             Sequence 15, Appl
    8    188   50.8     35  4  US-09-141-833-4              Sequence 4, Appli
    9    182   49.2     32  4  US-09-141-833-3              Sequence 3, Appli
   10    182   49.2     33  4  US-09-141-833-6              Sequence 6, Appli
   11  125.5   33.9     61  3  US-07-927-391-3              Sequence 3, Appli
   12  125.5   33.9     63  3  US-07-927-391-2              Sequence 2, Appli
   13  122.5   33.1     61  3  US-08-995-156A-39            Sequence 39, Appl
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   15  122.5   33.1     62  3  US-08-995-156A-40            Sequence 40, Appl
   16  122.5   33.1     62  3  US-08-995-156A-85            Sequence 85, Appl
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   20  122.5   33.1     63  3  US-08-995-156A-86            Sequence 86, Appl
   21  122.5   33.1     63  4  US-09-419-281-41             Sequence 41, Appl
   22  122.5   33.1     63  4  US-09-419-281-86             Sequence 86, Appl
   23  122.5   33.1     64  3  US-08-995-156A-42            Sequence 42, Appl
   24  122.5   33.1     64  3  US-08-995-156A-87            Sequence 87, Appl
   25  122.5   33.1     64  4  US-09-419-281-42             Sequence 42, Appl
   26  122.5   33.1     64  4  US-09-419-281-87             Sequence 87, Appl
   27  122.5   33.1     65  3  US-08-995-156A-43            Sequence 43, Appl
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   29  122.5   33.1     65  4  US-09-419-281-43             Sequence 43, Appl
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   32  122.5   33.1     66  3  US-08-995-156A-89            Sequence 89, Appl
   33  122.5   33.1     66  4  US-09-419-281-44             Sequence 44, Appl
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   36  122.5   33.1     67  3  US-08-995-156A-90            Sequence 90, Appl
   37  122.5   33.1     67  4  US-09-419-281-45             Sequence 45, Appl
   38  122.5   33.1     67  4  US-09-419-281-90             Sequence 90, Appl
   39    122   33.0     67  1  US-08-127-499A-38            Sequence 38, Appl
   40    122   33.0     67  1  US-08-482-847-38             Sequence 38, Appl
   41    122   33.0     67  3  US-08-470-323-7              Sequence 7, Appli
   42  120.5   32.6     60  3  US-08-995-156A-38            Sequence 38, Appl
   43  120.5   32.6     60  4  US-09-419-281-38             Sequence 38, Appl
   44  120.5   32.6     61  3  US-08-995-156A-84            Sequence 84, Appl
   45  120.5   32.6     61  4  US-09-419-281-84             Sequence 84, Appl

                              ALIGNMENTS

RESULT 1
US-09-141-833-2
; Sequence 2, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION: N TERMINAL MODIFICATIONS OF
;  FILE REFERENCE: GRFN-026/00US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
;  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE: 1998-06-26
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 67
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-141-833-2

  Query Match             100.0%;  Score 370;  DB 4
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  Matches   67;  Conservative    0;  Mismatches

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Db       1 PYSSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVF                  FRWVRE

Qy      61 INSLEMS 67
           |||||||
Db      61 INSLEMS 67


RESULT 2
US-08-330-163-14
; Sequence 14, Application US/08330163
; Patent No. 5656724
;  GENERAL INFORMATION:
;    APPLICANT:  Daly, Thomas J.
;    APPLICANT:  LaRosa, Gregory J.
;    TITLE OF INVENTION:  Chemokine Like Proteins
;    TITLE OF INVENTION:  Use
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
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;       ADDRESSEE:  Fish & Richardson
;       STREET:  225 Franklin Street
;       CITY:  Boston
;       STATE:  MA
;       COUNTRY:  U.S.A.
;       ZIP:  02110-2804
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30B
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/330,163
;       FILING DATE:  05-AUG-1994
;       CLASSIFICATION:  530
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Fasse, J. Peter
;       REGISTRATION NUMBER:  32,983
;       REFERENCE/DOCKET NUMBER:  00231/080001
;     [illegible]ELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (617) 542-5070
;       TELEFAX:  (617) 542-8906
;   INFORMATION FOR SEQ ID NO:  14:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  66 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
US-08-330-163-14

  Query Match             95.4%;  Score 353;  DB 1;  Length 66;
  Best Local Similarity   97.0%;  Pred. No. 1.5e-34;
  Matches   64;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

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Qy       61 INSLEM 66
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Db       61 INSLEM 66


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; Sequence 14, Application US/08482111
; P[illegible]nt No. 5789539
;  [illegible]ERAL INFORMATION:
;     APPLICANT:  Daly, Thomas J.
;     APPLICANT:  LaRosa, Gregory J.
;     TITLE OF INVENTION:  Chemokine Like Proteins and Methods of
;     TITLE OF INVENTION:  Use
;     NUMBER OF SEQUENCES:  70
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Fish & Richardson P.C.
;       STREET:  225 Franklin Street
;       CITY:  Boston
;       STATE:  MA
;       COUNTRY:  U.S.A.
;       ZIP:  02110-2804
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30B
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/482,111
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  514
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Fasse, J. Peter
;       REGISTRATION NUMBER:  32,983
```

```
;       REFERENCE/DOCKET NUMBER:  00231/083001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (617) 542-5070
;       TELEFAX:  (617) 542-8906
;   INFORMATION FOR SEQ ID NO:  14:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  66 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
US-08-482-111-14

  Query Match             95.4%;  Score 353;  DB 1;  Length 66;
  Best Local Similarity   97.0%;  Pred. No. 1.5e-34;
  Matches   64;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        1 PYSSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREY 60
            |||||||||||||||||| ||||||||||||||||||||||||||||||||||||| |||
Db        1 PYSSDTTPCCFAYIARPLDRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWYREY 60

Qy       61 INSLEM 66
            ||||||
Db       61 INSLEM 66


RESULT 4
US-08-876-078-5
; Sequence 5, Application US/08876078
; Patent No. 6107019
;  GENERAL INFORMATION:
;     APPLICANT:  Allaway, Graham P
;     APPLICANT:  Litwin, Virginia M
;     APPLICANT:  Maddon, Paul J
;     APPLICANT:  Olson, William C
;     TITLE OF INVENTION:  A Method For Preventing HIV-1
;     TITLE OF INVENTION:  Infection of CD4+ Cells
;     NUMBER OF SEQUENCES:  27
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Cooper & Dunham LLP
;       STREET:  1185 Avenue of the Americas
;       CITY:  New York
;       STATE:  New York
;       COUNTRY:  USA
;       ZIP:  10036
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/876,078
;       FILING DATE:
;       CLASSIFICATION:  514
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  White, John P
;       REGISTRATION NUMBER:  28678
;       REFERENCE/DOCKET NUMBER:  50875-D/JPW/AKC
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  212-278-0400
;       TELEFAX:  212-391-0525
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  60 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  n/a
;       TOPOLOGY:  n/a
;     MOLECULE TYPE:  protein
US-08-876-078-5

  Query Match             89.7%;  Score 332;  DB 3;  Length 60;
  Best Local Similarity   100.0%;  Pred. No. 3.9e-32;
  Matches   60;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy          8 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 67
              ||||||:| |||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 60

RESULT 5
US-08-831-823-5
; Sequence 5, Application US/08831823
; Patent No. 634454
;  GENERAL INFORMATION.
;    APPLICANT: Allaway, Graham P
;    APPLICANT: Litwin, Virginia M
;    APPLICANT. Maddon, Paul J
;    APPLICANT  Olson, William C
;    TITLE OF INVENTION  A Method For Preventing HIV-1 Infection of CD4+
;    NUMBER OF SEQUENCES: 27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Cooper & Dunham LLP
;      STREET: 1185 Avenue of the Americas
;      CITY: New York
;      STATE: New York
;      COUNTRY: USA
;      ZIP. 10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM. PC DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1 30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/831,823
;      FILING DATE.
;      CLASSIFICATION: 514
;    ATTORNEY/AGENT INFORMATION.
;      NAME: White, John P
;      REGISTRATION NUMBER. 28678
;      REFERENCE/DOCKET NUMBER: 50875-D/JPW/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE: 212 278-0400
;      TELEFAX: 212-391-0525
;  INFORMATION FOR SEQ ID NO: 5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH: 60 amino acids
;      TYPE: amino acid
;      STRANDEDNESS. n/a
;      TOPOLOGY: n/a
;    MOLECULE TYPE: protein
US-08-831-823-5

   Query Match            89.7%;  Score 332;  DB 4;  Length 60;
  Best Local Similarity   100.0%;  Pred. No. 3.9e-32;
  Matches   60;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          8 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 67
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 60

RESULT 6
US-08-330-163-15
; Sequence 15, Application US/08330163
; Patent No. 5656724
;  GENERAL INFORMATION:
;    APPLICANT: Daly, Thomas J.
;    APPLICANT: LaRosa, Gregory J.
;    TITLE OF INVENTION: Chemokine-Like Proteins and Methods of
;    TITLE OF INVENTION: Use
;    NUMBER OF SEQUENCES: 46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Fish & Richardson
;      STREET: 225 Franklin Street
;      CITY: Boston
;      STATE: MA
;      COUNTRY: U.S.A.
;      ZIP. 02110 2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE. Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #.
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/330,163
;      FILING DATE: 05-AUG-1994
;      CLASSIFICATION: 530
;    ATTORNEY/AGENT INFORMATION:
;      NAME: Fasse, J. Peter
;      REGISTRATION NUMBER: 32,983
;      REFERENCE/DOCKET NUMBER: 00231/080001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE: (617) 542-5070
;      TELEFAX: (617) 542-8906
;  INFORMATION FOR SEQ ID NO: 15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH: 65 amino acids
;      TYPE: amino acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;    MOLECULE TYPE: peptide
US-08-330-163-15

  Query Match            [illegible]%;  Score 195;  DB 1
  Best Local Similarity   5[illegible]%;  Pred. No. 4.[illegible]
  Matches   33;  Conservative   13;  Mismatches  [illegible]

Qy          3 SSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTR [illegible]
                |   | |||:| || |||  : :|: ||  || ||:| |:
Db          2 [illegible]TADCF[illegible]PAVVFQTR [illegible]

Qy         63 SLEM 66
               ||:
Db         62 DLEL 65

RESULT 7
US-08-482-111-15
; Sequence 15, Application US/08482111
; Patent No. 5789539
;  GENERAL INFORMATION:
;    APPLICANT. Daly, Thomas J.
;    APPLICANT: LaRosa, Gregory J.
;    TITLE OF INVENTION. Chemokine Like Proteins
;    TITLE OF INVENTION: Use
;    NUMBER OF SEQUENCES: 7[illegible]
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Fish & Richardson P.C.
;      STREET: 225 Franklin Street
;      CITY: Boston
;      STATE: MA
;      COUNTRY: U.S.A.
;      ZIP: 02110 2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC DOS/MS-DOS
;      SOFTWARE. PatentIn Release #1.0, Version #
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/482,111
;      FILING DATE. 07-JUN 1995
;      CLASSIFICATION: 514
;    ATTORNEY/AGENT INFORMATION:
;      NAME: Fasse, J. Peter
;      REGISTRATION NUMBER: 32,983
;      REFERENCE/DOCKET NUMBER: 00231/083001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE: (617) 542-5070
;      TELEFAX: (617) 542-8906
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;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-482-111-15

  Query Match             52.7%;  Score 195;  DB 1;  Length 65;
  Best Local Similarity   51.6%;  Pred. No. 4.7e-16;
  Matches   33;  Conservative   13;  Mismatches   18;  Indels    0;  Gaps    0;

Qy          3 SSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYIN 62
              |   | |||:| || |||  : ·|· ||  || ||||| |····||||·| · ||·||· 
Db          2 SDPPTACCFSYTARKLPRNFVVDYYETSSLCSQPAVVFQTKRSKQVCADPSESWVQEYVY 61

Qy         63 SLEM 66
               ||:
Db         62 DLEL 65

RESULT 8
US-09-141-833-4
; Sequence 4, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF RANTES AND METHODS OF USE
;  FILE REFERENCE: GRFN 026/03US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
;  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE: 1998-06-26
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 35
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-141-833-4

    y Match             50.8%;  Score 188;  DB 4;  Length 35;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-15;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         33 CSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 67
              |||||||||||||||||||||||||||||||||||
Db          1 CSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 35


RESULT 9
US-09-141-833-3
; Sequence 3, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF RANTES AND METHODS OF USE
;  FILE REFERENCE: GRFN 026/03US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
;  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE: 1998-06-26
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-141-833-3

  Query Match             48.2%;  Score 182;  DB 4;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-15;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PYSSDTTPCCFAYIARPLPRAHIKEYFYTSGK 32
              ||||||||||||||||||||||||||||||||
Db          1 PYSSDTTPCCFAYIARPLPRAHIKEYFYTSGK 32

RESULT 10
US-09-141-833-6
; Sequence 6, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF RANTES AND METHODS OF USE
;  FILE REFERENCE: GRFN 026/03US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
;  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE: 1998-06-26
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 33
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-141-833-6

  Query Match             48.2%;  Score 182;  DB 4;  Length 33;
  Best Local Similarity   100.0%;  Pred. No. 7.5e-15;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PYSSDTTPCCFAYIARPLPRAHIKEYFYTSGK 32
              ||||||||||||||||||||||||||||||||
Db          2 PYSSDTTPCCFAYIARPLPRAHIKEYFYTSGK 33


RESULT 11
US-07-927-391-3
; Sequence 3, Application US/07927391
; Patent No. 6001649
;  GENERAL INFORMATION:
;    APPLICANT:  CAPUT, Daniel
;    APPLICANT:  FERRARA, Pascual
;    APPLICANT:  MILOUX, Brigitte
;    APPLICANT:  MINTY, Adrian
;    APPLICANT:  VITA, Natalio
;    TITLE OF INVENTION:  Protein having a cytokin type
;    TITLE OF INVENTION:  activity,and recombinant DNA,expression vector and hosts
;    TITLE OF INVENTION:  for its preparation.
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY & LARDNER
;      STREET:  King Street Station,Suite 500,1800 Diagonal
;      STREET:  Road,PO Box 299
;      CITY:  ALEXANDRIA
```

```
;       STATE:  VIRGINIA
;       COUNTRY:  USA
;       ZIP:  22313-0299
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/927,391
;       FILING DATE:  19920929
;       CLASSIFICATION:  530
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  SAXE, Bernhard D
;       REGISTRATION NUMBER:  28,665
;       REFERENCE/DOCKET NUMBER:  16781/369
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703) 836-9300
;       TELEFAX:  (703) 683-4109
;       TELEX:  899149
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  61 amino acids
;       TYPE:  AMINO ACID
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-07-927-391-3

  Query Match             33.9%;  Score 125.5;  DB 3;  Length 61;
  Best Local Similarity   33.9%;  Pred. No. 5.9e-08;
  Matches   19;  Conservative   19;  Mismatches   17;  Indels    1;  Gaps    1;

Qy          6 TTPCCFAYIARPLPRAHIKEY FYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREY 61
                :| ||: :| : :|:  :: |    ||  |   ||:| |: :::||:| :|||:::
Db          6 STTCCYRFINKKIPKQRLESYRRTTSSHCPREAVIFKTKLDKEICADPTQKWVQDF 61


RESULT 12
US-07-927-391-2
; Sequence 2, Application US/07927391
; Patent No. 6001649
;  GENERAL INFORMATION:
;     APPLICANT:  CAPUT, Daniel
;     APPLICANT:  FERRARA, Pascual
;     APPLICANT:  MILOUX, Brigitte
;     APPLICANT:  MINTY, Adrian
;     APPLICANT:  VITA, Natalio
;     TITLE OF INVENTION:  Protein having a cytokin type
;     TITLE OF INVENTION:  activity,and recombinant DNA,expression vector and hosts
;     TITLE OF INVENTION:  for its preparation.
;     NUMBER OF SEQUENCES:  25
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  FOLEY & LARDNER
;       STREET:  King Street Station,Suite 500,1800 Diagonal
;       STREET:  Road,PO Box 299
;       CITY:  ALEXANDRIA
;       STATE:  VIRGINIA
;       COUNTRY:  USA
;       ZIP:  22313 0299
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/927,391
;       FILING DATE:  19920929
;       CLASSIFICATION:  530
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  SAXE, Bernhard D
;       REGISTRATION NUMBER:  28,665
;       REFERENCE/DOCKET NUMBER:  16781/369
;     TELECOMMUNICATION INFORMATION:
```

```
;       TELEPHONE:  (703) 836-9300
;       TELEFAX:  (703) 683-4109
;       TELEX:  899149
;   INFORMATION FOR SEQ ID NO:  2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  63 amino acids
;       TYPE:  AMINO ACID
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-07-927-391-2

  Query Match             33.9%;  Score 125.5;  DB
  Best Local Similarity   33.9%;  Pred. No. 6.2e-
  Matches   19;  Conservative   19;  Mismatches

Qy          6 TTPCCFAYIARPLPRAHIKEY FYTSGKCSNPAVVFVTRKN
                :| ||: :| : ::: :: |    |  |   ||:| |:
Db          8 STTCCYRFINKKIPKQRLESYRRTTSSHCPREAVIFKTKL


RESULT 13
US-08-995-156A-39
; Sequence 39, Application US/08995156A
; Patent No. 6028169
;  GENERAL INFORMATION:
;     APPLICANT:  KREIDER, BRENT L.
;     APPLICANT:  RUBEN, STEVEN M.
;     APPLICANT:  OLSEN, HENRIK S.
;     TITLE OF INVENTION:  CHEMOKINE BETA 6 ANTAGON
;     NUMBER OF SEQUENCES:  114
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  STERNE, KESSLER, GOLDSTEIN & FO
;       STREET:  1100 NEW YORK AVENUE, SUITE 6
;       CITY:  WASHINGTON
;       STATE:  DC
;       COUNTRY:  USA
;       ZIP:  20005-3934
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/995,156A
;       FILING DATE:  Herewith
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/042,269
;       FILING DATE:  31 MAR 1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  STEFFE, ERIC K
;       REGISTRATION NUMBER:  36,688
;       REFERENCE/DOCKET NUMBER:  1488.034
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  202 371 2600
;       TELEFAX:  202-371-2540
;   INFORMATION FOR SEQ ID NO:  39:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  61 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-08-995-156A-39

  Query Match             33.1%;  Score 122.5;  DB
  Best Local Similarity   31.0%;  Pred. No. 1.3e-
  Matches   18;  Conservative   19;  Mismatches

Qy          7 TPCCFAYIARPLPRAHIKEYFYTS-GKCSNPAVVFVTRKN
               :|||  :::: :    :    ::    |        :   :
Db          2 SPCCMFFVSKRI
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```
RESULT 14
US-09-419-281-39
; Sequence 39, Application US/09419281
; Patent No. 6379926
;  GENERAL INFORMATION:
;       APPLICANT: KREIDER, BRENT L.
;                  RUBEN, STEVEN M.
;                  OLSEN, HENRIK S
;       TITLE OF INVENTION: CHEMOKINE BETA-6 ANTAGONISTS
;       NUMBER OF SEQUENCES: 114
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P L.L C
;            STREET: 1100 NEW YORK AVENUE, SUITE 600
;            CITY: WASHINGTON
;            STATE: DC
;            COUNTRY: USA
;            ZIP: 20005 3934
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/419,281
;            FILING DATE: 15-Oct-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/995,156
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: STEFFE, ERIC K
;            REGISTRATION NUMBER: 36,688
;            REFERENCE/DOCKET NUMBER: 1488.0340004
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 202-371-2600
;            TELEFAX: 202 371 2540
;  INFORMATION FOR SEQ ID NO. 39:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH. 61 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-09-419-281-39

  Query Match             33.1%;  Score 122.5;  DB 4;  Length 61;
  Best Local Similarity   30.0%;  Pred. No. 1.3e-07;
  Matches   18;  Conservative   19;  Mismatches   22;  Indels    1;  Gaps    1;

Qy          7 TPCCFAYIARPLPRAHIKEYFYTS-GKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLE 65
                :|||  ....  .|     :    |    .|     |        |.|  |.|  :|  |  :|.:.:.||.  |.  .|.
Db          2 SPCCMFFVSKRIPENPVVSYQLSSPSTCLKAGVIFTTKKGQQFCGDPKQEWVQRYMKNLD 61

RESULT 15
US-08-995-156A-40
; Sequence 40, Application US/08995156A
; Patent No. 6028169
;  GENERAL INFORMATION:
;    APPLICANT:  KREIDER, BRENT L.
;    APPLICANT:  RUBEN, STEVEN M.
;    APPLICANT:  OLSEN, HENRIK S.
;    TITLE OF INVENTION:  CHEMOKINE BETA-6 ANTAGONISTS
;    NUMBER OF SEQUENCES:  114
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
;      STREET:  1100 NEW YORK AVENUE, SUITE 600
;      CITY:  WASHINGTON
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005-3934
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/995,156A
;      FILING DATE:  Herewith
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER.  60/042,269
;      FILING DATE:  31-MAR-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  STEFFE, ERIC K
;      REGISTRATION NUMBER:  36,688
;      REFERENCE/DOCKET NUMBER:  1488.0340004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-371-2600
;      TELEFAX:  202-371-2540
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  62 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-995-156A-40

  Query Match             33.1%;  Score 122.5;  DB 3;  Length 62;
  Best Local Similarity   30.0%;  Pred. No. 1.4e-07;
  Matches   18;  Conservative   19;  Mismatches   22;  Indels    1;  Gaps    1;

Qy          7 TPCCFAYIARPLPRAHIKEYFYTS-GKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLE 65
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Db          2 SPCCMFFVSKRIPENPVVSYQLSSPSTCLKAGVIFTTKKGQQFCGDPKQEWVQRYMKNLD 61

Search completed: February 8, 2003, 11 27.53
Job time : 14 secs
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                         GenCore version 5.1.3
                Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on:          February 8, 2003, 11:23:50 , Search time 11 Seconds
                                              (without alignments)
                                              133.016 Million cell updates/sec

Title:           US-09-537-858C-1_COPY_26_91
Perfect score:   363
Sequence:        1 MSSPTTPCCFAYIARPLPRA..........VCANPEKKWVREYINSLEMS 66

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        129505 seqs, 22169297 residues

Total number of hits satisfying chosen parameters:      65315

Minimum DB seq length: 0
Maximum DB seq length: 66

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Published_Applications_AA:*
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               3:  /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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      Pred. No. is the number of results predicted by chance to have a
      score greater than or equal to the score of the result being printed,
      and is derived by analysis of the total score distribution.

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     2       269      74.1     66  10   US-09-144-838-37            Sequence 37, Appl
     3       212      58.4     66  10   US-09-144-838-35            Sequence 35, Appl
     4       188      51.8     35  10   US-09-144-838-22            Sequence 22, Appl
     5       175      48.2     33  10   US-09-144-838-15            Sequence 15, Appl
     6       167      46.0     66  12   US-10-153-064-87            Sequence 87, Appl
     7     164.5      45.3     34  10   US-09-144-838-16            Sequence 16, Appl
     8       137      37.7     32  10   US-09-144-838-14            Sequence 14, Appl
     9       137      37.7     66  10   US-09-144-838-23            Sequence 23, Appl
    10       132      36.4     34  10   US-09-144-838-21            Sequence 21, Appl
    11       131      36.1     35  10   US-09-144-838-20            Sequence 20, Appl
    12       128      35.3     33  10   US-09-144-838-13            Sequence 13, Appl
    13       127      35.0     40  9   US-09-835-107-33            Sequence 33, Appl
    14       127      35.0     58  9   US-09-835-107-29            Sequence 29, Appl
    15     107.5      29.6     64  9   US-09-796-692-1213          Sequence 1213, Ap
    16     100.5      27.7     50  9   US-09-796-692-1244          Sequence 1244, Ap
    17        88      24.2     54  10   US-09-864-761-48509         Sequence 48509, A
    18      86.5      23.8     66  9   US-09-852-424-12            Sequence 12, Appl
    19      85.5      23.6     66  9   US-09-852-424-10            Sequence 10, Appl
    20      85.5      23.6     66  9   US-09-852-424-11            [illegible]
    21        85      23.4     66  10   US-09-144-838-27            [illegible]
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    24        66      18.2     47  10   US-09-864-761-43            [illegible]
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    26        60      16.5     44  10   US-09-864-761-38            [illegible]
    27        60      16.5     [illegible]  10   US-09-864-761-39            [illegible]
    28        58      16.0     44  10   US-09-144-838-18            [illegible]
    29      51.5      14.2     58  10   US-09-970-108-2             [illegible]
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    31        51      14.0     [illegible]  9   US-09-835-107-28            [illegible]
    32        51      14.0     [illegible]  9   US-09-835-107-34            [illegible]
    33        50      13.8     [illegible]  8   US-08-927-939-67            [illegible]
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    35        49      13.5     12  9   US-08-927-939-65            [illegible]
    36        49      13.5     12  9   US-10-082-815-1             [illegible]
    37        49      13.5     30  9   US-09-852-424-127           [illegible]
    38        48      13.2     12  8   US-08-927-939-11            [illegible]
    39        48      13.2     12  8   US-08-927-939-13            [illegible]
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    41        47      12.9     12  8   US-08-927-939-43            [illegible]
    42        47      12.9     12  8   US-08-927-939-44            [illegible]
    43        47      12.9     12  8   US-08-927-939-66            [illegible]
    44        47      12.9     14  8   US-08-927-939-5             [illegible]
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                                 ALIGNMENTS

RESULT 1
US-09-888-938-5
; Sequence 5, Application US/09888938
; Patent No. US2002[illegible]A1
; GENERAL INFORMATION:
;  APPLICANT: Graham P. Allaway
;  TITLE OF INVENTION: A METHOD FOR PREVENTING HIV
;  FILE REFERENCE: 2148/[illegible] PAT/JFW/SHS
;  CURRENT APPLICATION NUMBER: US/09/888,938
;  CURRENT FILING DATE: 2001-06-25
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 60
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-888-938-5

  Query Match             91.5%;  Score 332;  DB 9;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-[illegible]
  Matches   60;  Conservative    0;  Mismatches

Qy          7 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQ[illegible]
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Db          1 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQ[illegible]

RESULT 2
US-09-144-838-37
; Sequence 37, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries a[illegible]
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
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;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
;   LENGTH: 66
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-37

  Query Match             74.1%;  Score 269;  DB 10;  Length 66;
  Best Local Similarity   86.8%;  Pred. No. 7.2e-25;
  Matches   46;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          8 CCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYI 60
              ||||||||||||||||||||||||||||||||||||||||| :|: ||::||:
Db          9 CCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCIDPKLKWIQEYL 61


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US[illegible]144-838-35
; Sequence 35, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
;   LENGTH: 66
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-35

  Query Match             58.4%;  Score 212;  DB 10;  Length 66;
  Best Local Similarity   67.9%;  Pred. No. 3.2e-18;
  Matches   36;  Conservative    7;  Mismatches   10;  Indels    0;  Gaps    0;

Qy          8 CCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYI 60
              |||||||||||||||||||||||||.   |  :   ||||| .|. ||..||.
Db          9 CCFAYIARPLPRAHIKEYFYTSGKCALQIVARLKNNNRQVCIDPKLKWIQEYL 61


RESULT 4
US-09-144-838-22
; Sequence 22, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 35
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-22

  Query Match             51.8%;  Score 188;  DB 10;  Length 35;
  Best Local Similarity   100.0%;  Pred. No. 1e-15;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         32 CSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 66
              |||||||||||||||||||||||||||||||||||
Db          1 CSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 35


RESULT 5
US-09-144-838-15
; Sequence 15, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-15

  Query Match             48.2%;  Score 175;  DB 10;  Length 33;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-14;
  Matches   31;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 YSSDTTPCCFAYIARPLPRAHIKEYFYTSGK 31
              |||||||||||||||||||||||||||||||
Db          3 YSSDTTPCCFAYIARPLPRAHIKEYFYTSGK 33


RESULT 6
US-10-153-064-87
; Sequence 87, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
;  APPLICANT: Bell et al.
;  TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
;  FILE REFERENCE: PF556
;  CURRENT APPLICATION NUMBER: US/10/153,064
;  CURRENT FILING DATE:  2002-05-24
;  PRIOR APPLICATION NUMBER: 60/293,212
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 137
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 87
;   LENGTH: 66
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-153-064-87

  Query Match             46.0%;  Score 167;  DB 12;  Length 66;
  Best Local Similarity   42.1%;  Pred. No. 5.6e-13;
  Matches   24;  Conservative   17;  Mismatches   16;  Indels    0;  Gaps    0;

Qy          8 CCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLE 64
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                      GenCore version 5.1.3
              Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on:         February  8, 2003, 11:20:35 ; Search time 14 Seconds
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                                              138.708 Million cell updates/sec

Title:          US-09-537-858C-1_COPY_26_91
Perfect score:  363
Sequence:       1 YSSDTTPCCFAYIARPLPRA..........VCANPEKKWVREYINSLEMS 66

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

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Minimum DB seq length: 0
Maximum DB seq length: 66

Post-processing: Minimum Match 0%
                 Maximum Match 100%
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      Pred. No. is the number of results predicted by chance to have a
      score greater than or equal to the score of the result being printed,
      and is derived by analysis of the total score distribution.

                              SUMMARIES
                  %
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  No.   Score    Match Length DB  ID                       Description
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    1     346    95.3     66  1  US-08-330-163 14          Sequence 14, Appl
    2     346    95.3     66  1  US-08-482-111-14          Sequence 14, Appl
    3     332    91.5     60  3  US-08-876-078-5           Sequence 5, Appli
    4     332    91.5     60  4  US-08-831-823-5           Sequence 5, Appli
    5     195    53.7     65  1  US-08-330-163-15          Sequence 15, Appl
    6     195    53.7     65  1  US-08-482-111 15          Sequence 15, Appl
    7     188    51.8     35  4  US-09-141-833-4           Sequence 4, Appli
    8     175    48.2     32  4  US 09 141-833-3           Sequence 3, Appli
    9     175    48.2     33  4  US-09-141-833-6           Sequence 6, Appli
   10   125.5    34.6     61  3  US 07-927-391 3           Sequence 3, Appli
   11   125.5    34.6     63  3  US-07-927-391 2           Sequence 2, Appli
   12   122.5    33.7     61  3  US-08-995-156A-39         Sequence 39, Appl
   13   122.5    33.7     61  4  US 09-419-281-39          Sequence 39, Appl
   14   122.5    33.7     62  3  US-08-995-156A-40         Sequence 40, Appl
   15   122.5    33.7     62  3  US-08-995-156A-85         Sequence 85, Appl
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   17   122.5    33.7     62  4  US 09 419-281-85          Sequence 85, Appl
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   19   122.5    33.7     63  3  US-08-995-156A-86         Sequence 86, Appl
   20   122.5    33.7     63  4  US-09 419-281-41          Sequence 41, Appl
   21   122.5    33.7     63  4  US 09 419-281-86          Sequence 86, Appl
   22   122.5    33.7     64  3  US-08 995-156A-42         Sequence 42, Appl
   23   122.5    33.7     64  3  US-08-995-156A-87         Sequence 87, Appl
   24   122.5    33.7     64  4  US-09-419 281-42          Sequence 42, Appl
   25   122.5    33.7     64  4  US-09-419-281-87          Sequence 87, Appl
   26   122.5    33.7     65  3  US 08 995 156A-43         Sequence 43, Appl
   27   122.5    33.7     65  3  US 08-995-156A 88         Sequence 88, Appl
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   38   116.5    32.1     58  3  US-08-995-156A 37         [illegible]
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   42   115.5    31.8     57  3  US-08-995-156A-36         [illegible]
   43   115.5    31.8     57  4  US-09-419-281 36          [illegible]
   44   115.5    31.8     58  3  US 08 995-156A-36         [illegible]
   45   115.5    31.8     58  3  US-08-995-156A 81         [illegible]

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RESULT 1
US-08-330-163-14
; Sequence 14, Application US/08330163
; Patent No. 5656724
;  GENERAL INFORMATION:
;    APPLICANT:  Daly, Thomas J.
;    APPLICANT:  LaRosa, Gregory J.
;    TITLE OF INVENTION:  Chemokine-Like Proteins a
;    TITLE OF INVENTION:  Use
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #.
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,163
;      FILING DATE:  05-AUG-1994
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fasse, J. Peter
;      REGISTRATION NUMBER:  32,983
;      REFERENCE/DOCKET NUMBER:  00231/080001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  66 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-330-163-14

  Query Match             95.3%;  Score 346;  DB 1;
  Best Local Similarity   [illegible];  Pred. No. [illegible]
  Matches   63;  Conservative   [illegible];  Mismatches  [illegible]

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Db          1 YSSDTTPCCFAYIARPL[illegible]SNPAVVFVT     [illegible]
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Qy      61 NSLEM 65
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Db      62 NSLEM 66

RESULT 2
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; Sequence 14, Application US/08482111
; Patent No. 5789539
;  GENERAL INFORMATION
;    APPLICANT:  Daly, Thomas J.
;    APPLICANT:  LaRosa, Gregory J
;    TITLE OF INVENTION:  Chemokine Like Proteins and Methods of
;    TITLE OF INVENTION:  Use
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02110 2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,111
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fasse, J. Peter
;      REGISTRATION NUMBER:  32,983
;      REFERENCE/DOCKET NUMBER:  00231/093001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542 8906
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  66 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-482-111-14

  Query Match              95.3%;  Score 346;  DB 1;  Length 66;
  Best Local Similarity    96.9%;  Pred. No. 3.2e-34;
  Matches   63;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1 YSSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYI 60
           |||||||||||||||| |||||||||||||||||||||||||||||||||||||| ||||
Db       2 YSSDTTPCCFAYIARPLIRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWYREYI 61

Qy      61 NSLEM 65
           |||||
Db      62 NSLEM 66

RESULT 3
US-08-876-078-5
; Sequence 5, Application US/08876078
; Patent No. 6107019
;  GENERAL INFORMATION
;    APPLICANT:  Allaway, Graham P
;    APPLICANT:  Litwin, Virginia M
;    APPLICANT:  Maddon, Paul J
;    APPLICANT:  Olson, William C
;    TITLE OF INVENTION:  A Method For Preventing HIV-1
;    TITLE OF INVENTION:  Infection of CD4+ Cells
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
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;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/876,078
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P
;      REGISTRATION NUMBER:  28678
;      REFERENCE/DOCKET NUMBER:  50875-D/JPW/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-278-0400
;      TELEFAX:  212 391 0525
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  60 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  n/a
;      TOPOLOGY:  n/a
;    MOLECULE TYPE:  protein
US-08-876-078-5

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  Best Local Similarity    100.0%;  Pred. No. 1.3e 32;
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Db       1 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 60

RESULT 4
US-08-831-823-5
; Sequence 5, Application US/08831823
; Patent No. 6344545
;  GENERAL INFORMATION:
;    APPLICANT:  Allaway, Graham P
;    APPLICANT:  Litwin, Virginia M
;    APPLICANT:  Maddon, Paul J
;    APPLICANT:  Olson, William C
;    TITLE OF INVENTION:  A Method For Preventing HIV-1 Infection of CD4+
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/831,823
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P
;      REGISTRATION NUMBER:  28678
;      REFERENCE/DOCKET NUMBER:  50875-1/JPW/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-278-0400
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                    GenCore version 5.1.3
             Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on:          February 8, 2003, 11:20.15 ; Search time 11 Seconds
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Title:           US-09-537-858C-1_COPY_27_91
Perfect score:   356
Sequence:        1 [illegible]TTTE[illegible]CFAYIARPLPRAH ......VCANPEKKWVREYINSLEMS 65

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched.        120505 seqs, 22169297 residues

To[illegible]number of hits satisfying chosen parameters:      64993

Minimum DB seq length: 0
Maximum DB seq length: 65

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :        Published_Applications_AA:*
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                8:  /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
                9:  /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
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                12:  /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*
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                14:  /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

     Pred. No  is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution.

                             SUMMARIES
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Result           Query
  No.    Score   Match Length DB  ID                          Description
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    1      332   93.3     60   9  US-09-888-938-5             Sequence 5, Appli
    2      188   52.9     35  10   US-09-144-838-22            Sequence 22, Appl
    3      168   47.2     33  10   US-09-144-838-15            Sequence 15, Appl
    4    157.5   44.2     34  10   US-09-144-838-16            Sequence 16, Appl
    5      137   38.5     32  10   US-09-144-838-14            Sequence 14, Appl
    6      132   37.1     34  10   US-09-144-838-21            Sequence 21, Appl
    7      131   36.8     35  10   US-09-144-838-20            Sequence 20, Appl
    8      128   36.0     33  10   US-09-144-838-13            Sequence 13, Appl
    9      127   35.7     40   9  US-09 835-107-33            Sequence 33, Appl
   10      127   35.7     58   9  US-09-835-107-29            Sequence 29, Appl
   11    107.5   30.2     64   9  US-09-796-692-1213          Sequence 1213, Ap
   12    100.5   28.2     50   9  US-09-796-692-1244          Sequence 1244, Ap
   13       88   24.7     54  10   US-09-864-761-48509         Sequence 48509, A
   14       83   23.3     33  10   US-09-864-761-37517         Sequence 37517, A
   15       75   21.1     34  10   US-09 144-838-19            Sequence 19, Appl
   16       66   18.5     37  10   US-09-864-761-43730         Sequence 43730, A
   17       60   16.9     34  10   US-09-864-761 38961         Sequence 38961, A
   18       60   16.9     37  10   US-09-864-761-39501         Sequence 39501, A
   19     54.5   15.3     33  10   US 09 144-838 17            Sequence 17, Appl
   20     51.5   14.5     [illegible]  10   US-09-970-[illegible]        [illegible]
   21       51   14.3     [illegible]   9  US 09-852-424 126           [illegible]
   22       51   14.3     [illegible]   9  US 09 835 107 [illegible]        [illegible]
   23       51   14.3     [illegible]   9  US-09 835-107 [illegible]        [illegible]
   24       51   14.3     34  10   US-09-144-838 18            [illegible]
   25       50   14.0     [illegible]   9  US 08 927-939 [illegible]        [illegible]
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   27       49   13.8     [illegible]   8  US-08-927-939 [illegible]        [illegible]
   28       49   13.8     [illegible]   9  US-10-082-815 [illegible]        [illegible]
   29       49   13.8     [illegible]   9  US 09 852-424 127           [illegible]
   30       48   13.5     [illegible]   8  US-08-927-939 11            [illegible]
   31       48   13.5     [illegible]   8  US-08-927-939-[illegible]        [illegible]
   32       48   13.5     [illegible]   8  US 08-927-939 41            [illegible]
   33       47   13.2     [illegible]   8  US 08 927 939 43            [illegible]
   34       47   13.2     [illegible]   8  US-08-927-939 44            [illegible]
   35       47   13.2     [illegible]   8  US-08-927-939 [illegible]        [illegible]
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   38       46   12.9     [illegible]   9  US 09 852-424 129           [illegible]
   39     45.5   12.8     44  10   US-09-745-763-2             [illegible]
   40       45   12.6     [illegible]   8  US 08 927 939 61            [illegible]
   41       45   12.6     [illegible]   9  US-09-852-424-128           [illegible]
   42       45   12.6     [illegible]   9  US-09-835-107 [illegible]        [illegible]
   43     44.5   12.5     [illegible]  10   US 09-864-761 41[illegible]        [illegible]
   44       44   12.4     [illegible]   8  US-08-927-939-[illegible]        [illegible]
   45       44   12.4     [illegible]  10   US-09-151-45[illegible] 15         [illegible]

                              ALIGNMENTS


RESULT 1
US-09-888-938-5
, Sequence 5, Application US/09888938
, Patent No. US2002015[illegible]
, GENERAL INFORMATION:
,  APPLICANT. Graham P. Allaway
,  TITLE OF INVENTION. A METHOD FOR PREVENTIN, HIV
,  FILE REFERENCE: [illegible]
,  CURRENT APPLICATION NUMBER. US/09/888,938
,  CURRENT FILING DATE. [illegible]-06-25
;  NUMBER OF SEQ ID NOS: 2[illegible]
,  SOFTWARE. PatentIn version 3.1
, SEQ ID NO 5
;   LENGTH: 60
;   TYPE: PRT
,   ORGANISM. Homo sapiens
US-09-888-938-5

  Query Match             93.3%;  Score 332;  DB 9;
  Best Local Similarity   100.0%;  Pred. No. 2e-3[illegible];
  Matches   60,  Conservative    0,  Mismatches

Qy        6 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQV
            |||||||||||||||||||||||||||||||||||||||||
Db        1 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQV


RESULT 2
US-09-144-838-22
; Sequence 22, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT. Siani, Michael A.
,  APPLICANT: Wilken, Jill
;  APPLICANT. Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries an
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,62[illegible]
;  EARLIER FILING DATE: 19[illegible]-09-04
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;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 35
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-22

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  Best Local Similarity   100.0%;  Pred. No. 8.1e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db        1 CSNPAVVFVTRKNPQVCANPEKKWVREYINSLEMS 35


RE[illegible] 3
US[illegible]144-838-15
; Sequence 15, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-15

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  Best Local Similarity   100.0%;  Pred. No. 1.7e-13;
  Matches   30;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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            ||||||||||||||||||||||||||||||
Db        4 SSDTTPCCFAYIARPLPPAHIKEYFYTSGK 33


RESULT 4
US-09-144-838-16
; Sequence 16, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
;   LENGTH: 34
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-16

  Query Match             44.2%;  Score 157.5;  DB 10;  Length 34;
  Best Local Similarity   96.8%;  Pred. No. 2.9e-12;
  Matches   30;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    1;

Qy        1 SSDTTPC-CFAYIARPLPRAHIKEYFYTSGK 30
            ||||||| |||||||||||||||||||||||
Db        4 SSDTTPCPCFAYIARPLPRAHIKEYFYTSGK 34


RESULT 5
US-09-144-838-14
; Sequence 14, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-14

  Query Match             38.5%;  Score 137;  DB 10;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 7e-10;
  Matches   24;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        7 CCFAYIARPLPRAHIKEYFYTSGK 30
            ||||||||||||||||||||||||
Db        9 CCFAYIARPLPRAHIKEYFYTSGK 32


RESULT 6
US-09-144-838-21
; Sequence 21, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 34
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-21
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                      GenCore version 5.1.3
            Copyright (c) 1993 - 2003 Compugen Ltd

OM protein - protein search, using sw model

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Title:          US-09-537-858C-1_COPY_27_91
Perfect score.  356
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Scoring table:  BLOSUM62
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Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Database :       Issued_Patents_AA:*
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     Pred. No. is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution.

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Result           Query
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    2      332    93.3     60  4  US-08-831-823-5          Sequence 5, Appli
           195    54.8     65  1  US-08-330-163-15         Sequence 15, Appl
           195    54.8     65  1  US-08-482-111-15         Sequence 15, Appl
    5      188    52.8     35  4  US-09-141-833-4          Sequence 4, Appli
    6      168    47.2     32  4  US-09-141-833-3          Sequence 3, Appli
    7      168    47.2     33  4  US-09-141-833-6          Sequence 6, Appli
    8    125.5    35.3     61  3  US-07-927-391-3          Sequence 3, Appli
    9    125.5    35.3     63  3  US-07-927-391-2          Sequence 2, Appli
   10    122.5    34.4     61  3  US-08-995-156A-39        Sequence 39, Appl
   11    122.5    34.4     61  4  US-09-419-281-39         Sequence 39, Appl
   12    122.5    34.4     62  3  US-08-995-156A-40        Sequence 40, Appl
   13    122.5    34.4     62  3  US-08-995-156A-85        Sequence 85, Appl
   14    122.5    34.4     62  4  US-09-419-281-40         Sequence 40, Appl
   15    122.5    34.4     62  4  US-09-419-281-85         Sequence 85, Appl
   16    122.5    34.4     63  3  US-08-995-156A-41        Sequence 41, Appl
   17    122.5    34.4     63  3  US-08-995-156A-86        Sequence 86, Appl
   18    122.5    34.4     63  4  US-09-419-281-41         Sequence 41, Appl
   19    122.5    34.4     63  4  US-09-419-281-86         Sequence 86, Appl
   20    122.5    34.4     64  3  US-08-995-156A-42        Sequence 42, Appl
   21    122.5    34.4     64  3  US-08-995-156A-87        Sequence 87, Appl
   22    122.5    34.4     64  4  US-09-419-281-42         Sequence 42, Appl
   23    122.5    34.4     64  4  US-09-419-281-87         Sequence 87, Appl
   24    122.5    34.4     65  3  US-08-995-156A-43        Sequence 43, Appl
   25    122.5    34.4     65  3  US-08-995-156A-88        Sequence 88, Appl
   26    122.5    34.4     65  4  US-09-419-281-43         Sequence 43, Appl
   27    122.5    34.4     65  4  US-09-419-281-88         Sequence 88, Appl
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   28    120.5    33.8     61  3  US-08-995-156A-38
   29    120.5    33.8     61  4  US-09-419-281-38
   30    120.5    33.8     61  3  US-08-995-156A-84
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   33    116.5    32.7     59  4  US-09-419-281-37
   34    116.5    32.7     60  3  US-08-995-156A-83
   35    116.5    32.7     60  4  US-09-419-281-83
   36    115.5    32.4     58  3  US-08-995-156A-35
   37    115.5    32.4     58  4  US-09-419-281-35
   38    115.5    32.4     58  3  US-08-995-156A-36
   39    115.5    32.4     58  3  US-08-995-156A-81
   40    115.5    32.4     58  4  US-09-419-281-36
   41    115.5    32.4     59  4  US-09-419-281-81
   42    115.5    32.4     59  3  US-08-995-156A-82
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   44    114.5    32.2     56  3  US-08-995-156A-34
   45    114.5    32.2     56  4  US-09-419-281-34

                          ALIGNMENTS

RESULT 1
US-08-876-078-5
; Sequence 5, Application US/08876078
; Patent No. 6107019
;  GENERAL INFORMATION:
;    APPLICANT:  Allaway, Graham P
;    APPLICANT:  Litwin, Virginia M
;    APPLICANT.  Maddon, Paul J
;    APPLICANT.  Olson, William C
;    TITLE OF INVENTION.  A Method For Preventing H
;    TITLE OF INVENTION:  Infection of CD4+ Cells
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #.
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/876,078
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P
;      REGISTRATION NUMBER:  28678
;      REFERENCE/DOCKET NUMBER.  50875-E/JPW/AF
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE.  212 278 0400
;      TELEFAX:  212 391 0525
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  60 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  n/a
;      TOPOLOGY:  n/a
;    MOLECULE TYPE:  protein
US-08-876-078-5

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  Best Local Similarity   100.0%;  Pred. No. [illegible]
  Matches   60;  Conservative    0;  Mismatches

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RESULT 2
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; Sequence 5, Application US/08831823
; Patent No. 6344545
;  GENERAL INFORMATION:
;    APPLICANT:  Allaway, Graham P
;    APPLICANT:  Litwin, Virginia M
;    APPLICANT:  Maddon, Paul J
;    APPLICANT:  Olson, William C
;    TITLE OF INVENTION:  A Method For Preventing HIV 1 Infection of CD4+
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/831,823
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P
;      REGISTRATION NUMBER:  28678
;      REFERENCE/DOCKET NUMBER:  50875-D/JPW/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212 278-0400
;      TELEFAX:  212-391-0525
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  60 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  n/a
;      TOPOLOGY:  n/a
;    MOLECULE TYPE:  protein
US-08-831-823-5

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  Best Local Similarity   100.0%;  Pred. No. 1.2e-32;
  Matches   60;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       6 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 65
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Db       1 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 60


RESULT 3
US-08-330-163-15
; Sequence 15, Application US/08330163
; Patent No. 5656724
;  GENERAL INFORMATION:
;    APPLICANT:  Daly, Thomas J.
;    APPLICANT:  LaRosa, Gregory J.
;    TITLE OF INVENTION:  Chemokine-Like Proteins and Methods of
;    TITLE OF INVENTION:  Use
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,163
;      FILING DATE:  05-AUG-1994
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fasse, J. Peter
;      REGISTRATION NUMBER:  32,983
;      REFERENCE/DOCKET NUMBER:  00231/080001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-330-163-15

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             |    | |||:| || |||   : :|: ||   || ||||| |::::||||:|  : ||:||:
Db       1 SDPPTADCFSYIARPLPRNFVVDYYETSSLCSQPAVVFQTKRSRQVCADPSESWVQEYVY 61

Qy      61 SLEM 64
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Db      62 DLEL 65


RESULT 4
US-08-482-111-15
; Sequence 15, Application US/08482111
; Patent No. 5789539
;  GENERAL INFORMATION:
;    APPLICANT:  Daly, Thomas J.
;    APPLICANT:  LaRosa, Gregory J.
;    TITLE OF INVENTION:  Chemokine-Like Proteins and Methods of
;    TITLE OF INVENTION:  Use
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,111
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fasse, J. Peter
;      REGISTRATION NUMBER:  32,983
;      REFERENCE/DOCKET NUMBER:  00231/083001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  65 amino acids
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                    GenCore version 5.1.3
             Copyright (c) 1993 - 2003  Compugen Ltd.

OM protein - protein search, using sw model

Run on:         February 8, 2003, 11:16:49 ; Search time 11 Seconds
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Title:          US-09-537-858C-1_COPY_28_91
Perfect score:  352
Sequence:       1 SDTTPCCFAYIARPLPRAHI          VCANPEKKWVREYINSLEMS 64

Scoring table:  BLOSUM62
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Searched.       129[illegible]05 seqs, 22169297 residues

To[illegible] number of hits satisfying chosen parameters.      [illegible]4520

Minimum DB seq length: 0
Maximum DB seq length: 64

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Published_Applications_AA:*
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                14:  /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

    Pred. No. is the number of results predicted by chance to have a
    score greater than or equal to the score of the result being printed,
    and is derived by analysis of the total score distribution.

                              SUMMARIES
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Result          Query
  No.   Score   Match Length DB  ID                           Description
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    1     332    94.3     60  9  US-09-888-938-5              Sequence 5, Appli
    2     188    53.4     35 10  US-09-144-838-22              Sequence 22, Appl
    3     164    46.6     33 10  US-09-144-838-15              Sequence 15, Appl
    4   153.5    43.6     34 10  US-09-144-838-16              Sequence 16, Appl
    5     137    38.9     32 10  US-09-144-838-14              Sequence 14, Appl
    6     132    37.5     34 10  US-09-144-838-21              Sequence 21, Appl
    7     131    37.2     35 10  US-09-144-838-20              Sequence 20, Appl
    8     128    36.4     33 10  US-09-144-838-13              Sequence 13, Appl
    9     127    36.1     40  9  US-09-835-107-33             Sequence 33, Appl
   10     127    36.1     58  9  US-09-835-107-29             Sequence 29, Appl
   11   107.5    30.5     64  9  US-09-796-692-1213           Sequence 1213, Ap
   12   100.5    28.6     59  9  US-09-796-692-1244           Sequence 1244, Ap
   13      88    25.0     54 10  US-09-864-761-48509           Sequence 48509, A
   14      83    23.6     33 10  US-09-864-761-37517           Sequence 37517, A
   15      75    21.3     34 10  US-09-144-838-19              Sequence 19, Appl
   16      66    18.8     37 10  US-09-864-761-43730           Sequence 43730, A
   17      60    17.0     34 10  US-09-864-761-38961           Sequence 38961, A
   18      60    17.0     37 10  US-09-864-761-39501           Sequence 39501, A
   19    51.5    14.6     [illegible] 10  US-09-970-108-2              Sequence 2, Appli
   20      51    14.5     [illegible]  9  US-09-852-424-126            [illegible]
   21      51    14.5     [illegible]  9  US-09-835-107-28             [illegible]
   22      51    14.5     [illegible]  9  US-09-835-107-34             [illegible]
   23    50.5    14.3     [illegible] 10  US-09-144-838-17              [illegible]
   24      50    14.2     [illegible]  8  US-08-927-939-67             [illegible]
   25      49    13.9     [illegible]  8  US-08-927-939-1              [illegible]
   26      49    13.9     [illegible]  8  US-08-927-939-65             [illegible]
   27      49    13.9     [illegible]  9  US-10-082-815-1              [illegible]
   28      49    13.9     [illegible]  9  US-09-852-424-127            [illegible]
   29      48    13.6     [illegible]  8  US-08-927-939-11             [illegible]
   30      48    13.6     [illegible]  8  US-08-927-939-13             [illegible]
   31      48    13.6     [illegible]  8  US-08-927-939-42             [illegible]
   32      47    13.4     [illegible]  8  US-08-927-939-43             [illegible]
   33      47    13.4     [illegible]  8  US-08-927-939-44             [illegible]
   34      47    13.4     [illegible]  8  US-08-927-939-66             [illegible]
   35      47    13.4     [illegible]  8  US-08-927-939-5              [illegible]
   36      47    13.4     [illegible] 10  US-09-144-838-18              [illegible]
   37      47    13.4     [illegible] 10  US-09-827-948-28              [illegible]
   38      46    13.1     [illegible]  9  US-09-852-424-123            [illegible]
   39    45.5    12.9     [illegible] 10  US-09-745-763-2               [illegible]
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   41      45    12.8     [illegible]  9  US-09-852-424-128            [illegible]
   42      45    12.8     [illegible]  9  US-09-835-107-30             [illegible]
   43    44.5    12.6     [illegible] 10  US-09-864-761-41[illegible]   [illegible]
   44      44    12.5     [illegible]  8  US-08-927-939-[illegible]     [illegible]
   45      44    12.5     [illegible] 10  US-09-151-4[illegible]        [illegible]

                              ALIGNMENTS

RESULT 1
US-09-888-938-5
; Sequence 5, Application US/09888938
; Patent No. US20020155429A1
; GENERAL INFORMATION:
;  APPLICANT: Graham P. Allaway
;  TITLE OF INVENTION: A METHOD FOR PREVENTING [illegible]
;  FILE REFERENCE: 2048/50[illegible]PA/JPW/SHS
;  CURRENT APPLICATION NUMBER: US/09/888,938
;  CURRENT FILING DATE: [illegible]
;  NUMBER OF SEQ ID NOS: 2[illegible]
;  SOFTWARE: PatentIn version [illegible]
; SEQ ID NO 5
;   LENGTH: 60
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-888-938-5

  Query Match             [illegible]%;  Score 332;  DB [illegible]
  Best Local Similarity   [illegible]%;  Pred. No. 1.5e[illegible]
  Matches   60;  Conservative   [illegible];  Mismatches [illegible]

Qy          5 PCCFAYIARPLPRAHI[illegible]
                ||||||||||||||||||||||||||||||||||||||||
Db          1 PCCFAYIARPL[illegible]

RESULT 2
US-09-144-838-22
; Sequence 22, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries a[illegible]
;  FILE REFERENCE: GRFN-02[illegible]US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-09-01
;  EARLIER APPLICATION NUMBER: US 60/057,62[illegible]
;  EARLIER FILING DATE: [illegible]-09-[illegible]4
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;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 35
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION. Description of Artificial Sequence: Synthetic
US-09-144-838-22

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  Best Local Similarity   100.0%;  Pred. No. 7e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db        1 CSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 35


RE[illegible] 3
US[illegible]144-838-15
; Sequence 15, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS. 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: PRT
;   ORGANISM. Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence  Synthetic
US-09-144-838-15

  Query Match             46.6%,  Score 164,  DB 10,  Length 33,
  Best Local Similarity   100.0%;  Pred. No. 4.3e-14,
  Matches   29;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 SDTTPCCFAYIAPPLPRAHIKEYFYTSGK 29
            |||||||||||||||||||||||||||||
Db        5 SDTTPCCFAYIAPPLPRAHIKEYFYTSGK 33


RESULT 4
US-09-144-838-16
; Sequence 16, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT. Kent, Stephen B.H.
;  TITLE OF INVENTION  Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER. US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997 09 04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
;   LENGTH: 34
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
,   OTHER INFORMATION. Description of Artificial Sequence. synthetic
US-09-144-838-16

  Query Match             43.6%;  Score 153.5;  DB 10;  Length 34;
  Best Local Similarity   96.7%;  Pred. No. 7.7e-12;
  Matches   29;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    1;

Qy        1 SDTTPC-CFAYIARPLPRAHIKEYFYTSGK 29
            |||||| |||||||||||||||||||||||
Db        5 SDTTPCPCFAYIARPLPRAHIKEYFYTSGK 34


RESULT 5
US-09-144-838-14
; Sequence 14, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
,  APPLICANT. Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION. Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
,  NUMBER OF SEQ ID NOS. 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
,   OTHER INFORMATION. Description of Artificial Sequence. Synthetic
US-09-144-838-14

  Query Match             38.9%;  Score 127;  DB 10;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 6.2e-10;
  Matches   24,  Conservative    0,  Mismatches    0,  Indels    0,  Gaps    0;

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Db        9 CCFAYIARPLPRAHIKEYFYTSGK 32


RESULT 6
US-09-144-838-21
; Sequence 21, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
,  TITLE OF INVENTION. Modular Protein Libraries and Methods of Preparation
,  FILE REFERENCE. GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
,  SOFTWARE. PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 34
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;   ORGANISM: Artificial Sequence
,   FEATURE.
,   OTHER INFORMATION. Description of Artificial Sequence. Synthetic
US-09-144-838-21
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               Copyright (c) 1993 - 2003 Compugen Ltd

OM protein - protein search, using sw model

Run on:          February 8, 2003, 11:13:54 , Search time 15 Seconds
                                           (without alignments)
                                           125.538 Million cell updates/sec

Title:           US-09-537-858C-1_COPY_28_91
Perfect score:   352
Sequence:        1 SDTTPCCFAYIAPPLPPAHI..........VCANPEKKWVREYINSLEMS 64

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        262574 seqs, 29422922 residues

To   number of hits satisfying chosen parameters:      187267

Minimum DB seq length: 0
Maximum DB seq length: 64

Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries

Database :        Issued_Patents_AA:*
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      Pred. No. is the number of results predicted by chance to have a
      score greater than or equal to the score of the result being printed,
      and is derived by analysis of the total score distribution.

                              SUMMARIES
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Result          Query
  No.   Score   Match Length DB  ID                          Description
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    1     332    94.3     60  3  US-08-876-078-5             Sequence 5, Appli
    2     332    94.3     60  4  US-08-831-823-5             Sequence 5, Appli
          188    53.4     35  4  US-09-141-833-4             Sequence 4, Appli
          164    46.6     32  4  US-09-141-833-3             Sequence 3, Appli
    5     164    46.6     33  4  US-09-141-833-6             Sequence 6, Appli
    6   125.5    35.7     61  3  US-07-927-391-3             Sequence 3, Appli
    7   125.5    35.7     63  3  US-07-927-391-2             Sequence 2, Appli
    8   122.5    34.8     61  3  US-08-995-156A-39           Sequence 39, Appl
    9   122.5    34.8     61  4  US-09-419-281-39            Sequence 39, Appl
   10   122.5    34.8     62  3  US-08-995-156A-40           Sequence 40, Appl
   11   122.5    34.8     62  3  US-08-995-156A-85           Sequence 85, Appl
   12   122.5    34.8     62  4  US-09-419-281-40            Sequence 40, Appl
   13   122.5    34.8     62  4  US-09-419-281-85            Sequence 85, Appl
   14   122.5    34.8     63  3  US-08-995-156A-41           Sequence 41, Appl
   15   122.5    34.8     63  3  US-08-995-156A-86           Sequence 86, Appl
   16   122.5    34.8     63  4  US-09-419-281-41            Sequence 41, Appl
   17   122.5    34.8     63  4  US-09-419-281-86            Sequence 86, Appl
   18   122.5    34.8     64  3  US-08-995-156A-42           Sequence 42, Appl
   19   122.5    34.8     64  3  US-08-995-156A-87           Sequence 87, Appl
   20   122.5    34.8     64  4  US-09-419-281-42            Sequence 42, Appl
   21   122.5    34.8     64  4  US-09-419-281-87            Sequence 87, Appl
   22   120.5    34.2     60  3  US-08-995-156A-38           Sequence 38, Appl
   23   120.5    34.2     60  4  US-09-419-281-38            Sequence 38, Appl
   24   120.5    34.2     61  3  US-08-995-156A-84           Sequence 84, Appl
   25   120.5    34.2     61  4  US-09-419-281-84            Sequence 84, Appl
   26   116.5    33.1     59  3  US-08-995-156A-37           Sequence 37, Appl
   27   116.5    33.1     59  4  US-09-419-281-37            Sequence 37, Appl
   28   116.5    33.1     61  3  US-08-995-156A-83
   29   116.5    33.1     61  4  US-09-419-281-83
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   31   115.5    32.8     57  4  US-09-419-281-35
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   37   115.5    32.8     58  4  US-09-419-281-82
   38   114.5    32.5     56  3  US-08-995-156A-34
   39   114.5    32.5     56  4  US-09-419-281-34
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   42   107.5    30.5     54  3  US-08-995-156A-32
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   44   107.5    30.5     55  3  US-08-995-156A-33
   45   107.5    30.5     55  3  US-08-995-156A-78

                              ALIGNMENTS

RESULT 1
US-08-876-078-5
; Sequence 5, Application US/08876078
; Patent No. 6107019
;  GENERAL INFORMATION:
;    APPLICANT:  Allaway, Graham P
;    APPLICANT:  Litwin, Virginia M
;    APPLICANT:  Maddon, Paul J
;    APPLICANT:  Olson, William C
;    TITLE OF INVENTION:  A Method For Preventing H
;    TITLE OF INVENTION:  Infection of CD4+ Cells
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/876,078
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P
;      REGISTRATION NUMBER:  28678
;      REFERENCE/DOCKET NUMBER:  50875-D/JPW/AK
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-278-0400
;      TELEFAX:  212-391-0525
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  60 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  n/a
;      TOPOLOGY:  n/a
;    MOLECULE TYPE:  protein
US-08-876-078-5

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RESULT 2
US-08-831-823-5
; Sequence 5, Application US/08831823
; Patent No. 6344545
;  GENERAL INFORMATION:
;    APPLICANT:  Allaway, Graham P
;    APPLICANT:  Litwin, Virginia M
;    APPLICANT:  Maddon, Paul J
;    APPLICANT:  Olson, William C
;    TITLE OF INVENTION:  A Method For Preventing HIV 1 Infection of CD4+
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/831,823
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P
;      REGISTRATION NUMBER:  28678
;      REFERENCE/DOCKET NUMBER:  50875-D/JPW/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-278-0400
;      TELEFAX:  212-391-0525
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  60 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  n/a
;      TOPOLOGY:  n/a
;    MOLECULE TYPE:  protein
US-08-831-823-5

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RESULT 3
US-09-141-833-4
; Sequence 4, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION: N TERMINAL MODIFICATIONS OF RANTES AND METHODS OF USE
;  FILE REFERENCE: GRFN-026/03US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
;  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE: 1998-06-26
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 35
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-141-833-4

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Db          1 CSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 35


RESULT 4
US-09-141-833-3
; Sequence 3, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION: N TERMINAL MODIFICATIONS OF RANTES AND METHODS OF USE
;  FILE REFERENCE: GRFN-026/03US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
;  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE: 1998-06-26
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-141-833-3

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Db          4 SDTTPCCFAYIARPLPRAHIKEYFYTSGK 32


RESULT 5
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; Sequence 6, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF RANTES AND METHODS OF USE
;  FILE REFERENCE: GRFN-026/03US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
;  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE: 1998-06-26
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
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                  GenCore version 5.1.3
           Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on:         February 8, 2003, 11:07:33 ; Search time 11 Seconds
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Title:          US-09-537-858C-1_COPY_28_91
Perfect score:  352
Sequence:       1 SPTTPCCFAYIARPLPRAHI..........VCANPEKKWVREYINSLEMS 64

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       129505 seqs, 22169297 residues

To   number of hits satisfying chosen parameters:      129505

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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                6:  /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
                7:  /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep:*
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    Pred. No. is the number of results predicted by chance to have a
    score greater than or equal to the score of the result being printed,
    and is derived by analysis of the total score distribution.

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     2      352    100.0      68  10   US-09-144-838-10              Sequence 10, Appl
     3      352    100.0      68  10   US-09-144-838-42              Sequence 42, Appl
     4      352    100.0      68  10   US-09-195-457-11              Sequence 11, Appl
     5      352    100.0      91   8  US-08-927-939-21              Sequence 21, Appl
     6      352    100.0      91   9  US-10-057-275-8               Sequence 8, Appli
     7      352    100.0      91  10   US-09-144-838-9               Sequence 9, Appli
     8      352    100.0      91  10   US-09-834-795A-29             Sequence 29, Appl
     9      352    100.0      91  12   US-10-158-366-5               Sequence 5, Appli
    10    341.5     97.0      69  10   US-09-144-838-46              Sequence 46, Appl
    11      332     94.3      60   9  US-09-888-938-5               Sequence 5, Appli
    12      325     92.3      67  10   US-09-144-838-38              Sequence 38, Appl
    13      316     89.8      68  10   US-09-144-838-34              Sequence 34, Appl
    14      296     84.1      67  10   US-09-144-838-41              Sequence 41, Appl
    15      295     83.8      68  10   US-09-144-838-40              Sequence 40, Appl
    16    285.5     81.1      68  10   US-09-144-838-45              Sequence 45, Appl
    17    284.5     80.8      69  10   US-09-144-838-44              Sequence 44, Appl
    18      269     76.4      66  10   US-09-144-838-37              Sequence 37, Appl
    19      268     76.1      67  10   US-09-144-838-36              Sequence 36, Appl
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    21      259     73.6      68  10   US-09-144-838-32              [illegible]
    22      239     67.9      67  10   US-09-144-838-39              [illegible]
    23    228.5     64.9      68  10   US-09-144-838-43              [illegible]
    24      225     63.9      68  10   US-09-144-838-50              [illegible]
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    26      212     60.2      66  10   US-09-144-838-35              [illegible]
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    34    198.5     56.4      92  10   US-09-908-599-3               [illegible]
    35    198.5     56.4      92  10   US-09-334-923A-5              [illegible]
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    42    198.5     56.4      93  10   US-09-151-450-2               [illegible]
    43    198.5     56.4      93  10   US-09-834-795A-31             [illegible]
    44      198     56.2      67  10   US-09-144-838-30              [illegible]
    45      194     55.1      66  10   US-09-195-457-10              [illegible]

                                   ALIGNMENTS

RESULT 1
US-09-792-793A-29
; Sequence 29, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
;  APPLICANT: McDonald, John R.
;  APPLICANT: Coggins, Philip
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR [illegible]
;  TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS
;  FILE REFERENCE: 25020-601D
;  CURRENT APPLICATION NUMBER: US/09/792,793A
;  CURRENT FILING DATE: 2001-02-22
;  NUMBER OF SEQ ID NOS: 93
;  SOFTWARE: PatentIn Ver. 2.
; SEQ ID NO 29
;   LENGTH: 68
;   TYPE: PRT
;   ORGANISM: homo sapien
;   FEATURE:
;   OTHER INFORMATION: Human Chemokine Polypeptide:
US-09-792-793A-29

  Query Match             100.0%;  Score 352;  DB 9;
  Best Local Similarity   100.0%;  Pred. No. 7.6e-3
  Matches   64;  Conservative    0;  Mismatches   [illegible]

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Db          5 SPTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKN [illegible]

Qy         61 LEMS 64
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Db         65 LEMS 68


RESULT 2
US-09-144-838-10
; Sequence 10, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
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;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN 020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 68
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-10

  Query Match             100.0%;  Score 352;  DB 10;  Length 68;
  [illegible] Local Similarity   100.0%;  Pred. No. 7.6e-35;
  [illegible]hes   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy       61 LEMS 64
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Db       65 LEMS 68


RESULT 3
US-09-144-838-42
; Sequence 42, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
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; [illegible]ID NO 42
; [illegible]ENGTH: 68
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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  Query Match             100.0%;  Score 352;  DB 10;  Length 68;
  Best Local Similarity   100.0%;  Pred. No. 7.6e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        5 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 64

Qy       61 LEMS 64
            ||||
Db       65 LEMS 68


RESULT 4
US-09-195-457-11
; Sequence 11, Application US/09195457
; Patent No. US20020081623A1
```

```
; GENERAL INFORMATION:
;  APPLICANT:  WILLIAMS, TIMOTHY J.
;  APPLICANT:  JOSE, PETER J.
;  APPLICANT:  GRIFFITHS-JOHNSON, DAVID A
;  APPLICANT:  HSUAN, JOHN J
;  TITLE OF INVENTION:  CHEMOTACTIC CYTOKINE
;  FILE REFERENCE:  550-33
;  CURRENT APPLICATION NUMBER: US/09/195,457
;  CURRENT FILING DATE:  1998-11-18
;  PRIOR APPLICATION NUMBER:  08/470,323
;  PRIOR FILING DATE:  1995-06-06
;  PRIOR APPLICATION NUMBER:  PCT/GB94/02006
;  PRIOR FILING DATE:  1994-09-14
;  PRIOR APPLICATION NUMBER:  GB 9318984.3
;  PRIOR FILING DATE:  1993-09-14
;  PRIOR APPLICATION NUMBER:  GB 9408692.2
;  PRIOR FILING DATE:  1994-04-29
;  NUMBER OF SEQ ID NOS:  11
; SEQ ID NO 11
;   LENGTH: 68
;   TYPE: PRT
;   ORGANISM: human
US-09-195-457-11

  Query Match             100.0%;  Score 352;  DB 1;  Length 68;
  Best Local Similarity   100.0%;  Pred. No. 7.6e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        5 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 64

Qy       61 LEMS 64
            ||||
Db       65 LEMS 68


RESULT 5
US-08-927-939-21
; Sequence 21, Application US/08927939
; Patent No. US20010006640A1
; GENERAL INFORMATION:
;  APPLICANT: Grainger, David J.
;  APPLICANT: Tatalick, Lauen Marie
;  TITLE OF INVENTION: Compounds and methods to inhibit or
;  TITLE OF INVENTION: augment an inflammatory response.
;  FILE REFERENCE: 295.022US1
;  CURRENT APPLICATION NUMBER: US/08/927,939
;  CURRENT FILING DATE: 1997-09-11
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 21
;   LENGTH: 91
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-08-927-939-21

  Query Match             100.0%;  Score 352;  DB 9;  Length 91;
  Best Local Similarity   100.0%;  Pred. No. 1e-34;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       28 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 87

Qy       61 LEMS 64
            ||||
Db       88 LEMS 91


RESULT 6
US-10-057-275-8
; Sequence 8, Application US/10057275
```

```
; Patent No. US20020155545A1
;   GENERAL INFORMATION:
;        APPLICANT: Coleman, Roger
;                   Bandman, Olga
;                   Wilde, Craig G.
;        TITLE OF INVENTION: NEW CHEMOKINES EXPRESSED IN PANCREAS
;        NUMBER OF SEQUENCES: 11
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Incyte Pharmaceuticals, Inc.
;             STREET: 3174 Porter Drive
;             CITY: Palo Alto
;             STATE: CA
;             COUNTRY: U.S.
;             ZIP: 94304
;        COMPUTER READABLE FORM.
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ Version 1.5
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER. US/10/057,275
;             FILING DATE: 25-Jan-2002
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER. US/08/390,740A
;             FILING DATE: February 17, 1995
;        ATTORNEY/AGENT INFORMATION
;             NAME: Luther, Barbara J.
;             REGISTRATION NUMBER: 33,954
;             REFERENCE/DOCKET NUMBER: PF-0027 US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 415-855-0555
;             TELEFAX. 415-852-0195
;   INFORMATION FOR SEQ ID NO: 8:
;        SEQUENCE CHARACTERISTICS.
;             LENGTH: 91 amino acids
;             TYPE: amino acid
;             STRANDEDNESS. single
;             TOPOLOGY. linear
;        MOLECULE TYPE: peptide
;        IMMEDIATE SOURCE.
;             LIBRARY: GenBank
;             CLONE. RANTES
;        SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-057-275-8

  Query Match             100.0%;  Score 352;  DB 9;  Length 91;
  Best Local Similarity   100.0%;  Pred. No. 1e-34,
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0,  Gaps    0,

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         28 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 87

Qy         61 LEMS 64
              ||||
Db         88 LEMS 91


RESULT 7
US-09-144-838-9
; Sequence 9, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani. Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon. Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION  Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER  US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER  US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
,  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 91
;   TYPE: PRT
,   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial S
US-09-144-838-9

  Query Match             100.0%;  Score 352;  DB 
  Best Local Similarity   100.0%;  Pred. No. 1e-34,
  Matches   64,  Conservative    0;  Mismatches

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK                 EYIN
              |||||||||||||||||||||||||||||||||||||||||
Db         28 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK                  YIN

Qy         61 LEMS 64
              ||||
Db         88 LEMS 91


RESULT 8
US 09 834-795A-29
, Sequence 29, Application US/09834795A
; Patent No. US20020076710A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
,  APPLICANT.  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of B
;  FILE REFERENCE: 3380/1I127-US3
;  CURRENT APPLICATION NUMBER: US/09/834,795A
;  CURRENT FILING DATE:  2001-04-12
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
,  PRIOR APPLICATION NUMBER. 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER. 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
,  SOFTWARE. PatentIn version 3.0
; SEQ ID NO 29
;   LENGTH: 91
;   TYPE: PRT
,   ORGANISM. Homo sapiens
US-09-834 795A 29

  Query Match             100.0%;  Score 352;  DB 
  Best Local Similarity   100.0%;  Pred. No. 1e-34;
  Matches   64,  Conservative    0,  Mismatches

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK                 EYIN
              |||||||||||||||||||||||||||||||||||||||||
Db         28 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK                  YIN

Qy         61 LEMS 64
              ||||
Db         88 LEMS 91


RESULT 9
US-10-158-366-5
; Sequence 5, Application US/10158366
; Patent No. US20020142398A1
,   GENERAL INFORMATION:
,        APPLICANT. Coleman, Roger
;                   Wilde, Craig G.
,                   Seilhamer, Jeffrey J.
;        TITLE OF INVENTION: CHEMOKINE EXPRESSED IN
;                            ITS PRODUCTION AND USE
;        NUMBER OF SEQUENCES: 3
```

```
;          CORRESPONDENCE ADDRESS:
;               ADDRESSEE: Incyte Pharmaceuticals, Inc.
;               STREET: 3174 Porter Drive
;               CITY: Palo Alto
;               STATE: CA
;               COUNTRY: USA
;               ZIP: 94304
;          COMPUTER READABLE FORM:
;               MEDIUM TYPE: Diskette
;               COMPUTER: IBM Compatible
;               OPERATING SYSTEM: DOS
;               SOFTWARE: FastSEQ Version 1.5
;          CURRENT APPLICATION DATA:
;               APPLICATION NUMBER: US/10/158,366
;               FILING DATE: 29 May 2002
;               CLASSIFICATION: <Unknown>
;          PRIOR APPLICATION DATA:
;               APPLICATION NUMBER: US/08/467,123B
;               FILING DATE: 06-JUN-1995
;               APPLICATION NUMBER: US 08/375,346
;               FILING DATE: 19-JAN-1995
;          ATTORNEY/AGENT INFORMATION:
;               NAME: Billings, Lucy J
;               REGISTRATION NUMBER: 36,749
;               REFERENCE/DOCKET NUMBER: PF-0026-1 DIV
;          TELECOMMUNICATION INFORMATION:
;               TELEPHONE: 415-555-0555
;               TELEFAX: 415-845-4166
;     INFORMATION FOR SEQ ID NO: 5:
;          SEQUENCE CHARACTERISTICS:
;               LENGTH: 91 amino acids
;               TYPE: amino acid
;               STRANDEDNESS: single
;               TOPOLOGY: linear
;          MOLECULE TYPE: peptide
;          SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-158-366-5

  Query Match             100.0%;  Score 352;  DB 12;  Length 91;
  Best Local Similarity   100.0%;  Pred. No. 1e-34;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       28 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 87

Qy       61 LEMS 64
            ||||
Db       88 LEMS 91

RESULT 10
US-09-144-838-46
; Sequence 46, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B H
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
;   LENGTH: 69
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-46

  Query Match             97.0%;  Score 341.5;  DB 10;  Length 69;
  Best Local Similarity   98.5%;  Pred. No. 1.3e-33;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    1;

Qy        1 SDTTPC-CFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYIN 59
            |||||| |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        5 SDTTPCPCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYIN 64

Qy       60 SLEMS 64
            |||||
Db       65 SLEMS 69

RESULT 11
US-09-888-938-5
; Sequence 5, Application US/09888938
; Patent No. US20020155429A1
; GENERAL INFORMATION:
;  APPLICANT: Graham P. Allaway
;  TITLE OF INVENTION: A METHOD FOR PREVENTING HIV 1 INFECTION OF CD4 CELLS
;  FILE REFERENCE: 2048/50875-DA/JPW/SHS
;  CURRENT APPLICATION NUMBER: US/09/888,938
;  CURRENT FILING DATE:  2001-06-25
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 60
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-888-938-5

  Query Match             94.3%;  Score 332;  DB 9;  Length 60;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-32;
  Matches   60;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        5 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 64
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        1 PCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 60

RESULT 12
US-09-144-838-38
; Sequence 38, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
;   LENGTH: 67
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-38

  Query Match             92.3%;  Score 325;  DB 10;  Length 67;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-31;
  Matches   59;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        6 CCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 64
```

```
            ||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db        9 CCFAYIARPLPPAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 67


RESULT 13
US-09-144-838-34
; Sequence 34, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
;   LENGTH: 68
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-34

  Query Match             89.8%;  Score 316;  DB 10;  Length 68;
  Best Local Similarity   100.0%;  Pred. No. 1.3e-30;
  Matches   58;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        7 CFAYIARPLPPAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 64
            ||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Db       11 CFAYIARPLPPAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS 68


RESULT 14
US-09-144-838-41
; Sequence 41, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 41
;   LENGTH: 67
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-41

  Query Match             84.1%;  Score 296;  DB 10;  Length 67;
  Best Local Similarity   87.9%;  Pred. No. 2.8e-28;
  Matches   51;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        1 SDTTPCCFAYIARPLPPAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYI 58
            |||||||||||||||||||||||||||||||||||||||||||||| :|: ||::||:
Db        5 SDTTPCCFAYIARPLPPAHIKEYFYTSGKCSNPAVVFVTRKNRQVCIDPKLKWIQEYL 62


RESULT 15
US-09-144-838-40
; Sequence 40, Application US/09144838A
; Patent No. US20020051996A1
; GENERAL INFORMATION:
;  APPLICANT: Siani, Michael A.
;  APPLICANT: Wilken, Jill
;  APPLICANT: Simon, Reyna
;  APPLICANT: Kent, Stephen B.H.
;  TITLE OF INVENTION: Modular Protein Libraries an[illegible]
;  FILE REFERENCE: GRFN-020/01US
;  CURRENT APPLICATION NUMBER: US/09/144,838A
;  CURRENT FILING DATE: 1998-08-31
;  EARLIER APPLICATION NUMBER: US 60/057,620
;  EARLIER FILING DATE: 1997-09-04
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: PatentIn Ver. [illegible]
; SEQ ID NO 40
;   LENGTH: 68
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Se[illegible]
US-09-144-838-40

  Query Match             83.8%;  Score 295;  DB 1[illegible]
  Best Local Similarity   84.4%;  Pred. No. 3.8e-2[illegible]
  Matches   54;  Conservative    [illegible];  Mismatches   [illegible]

Qy        1 SDTTPCCFAYIA[illegible]PPAHIKEYFYTSGKCSNPAVVFVTR[illegible]
            |||||||||||[illegible]
Db        5 SDTTPCCFAYIA[illegible]HIKEY[illegible]YISGKCALQIVARLKNN[illegible]

Qy       61 LEMS 64
            ||||
Db       65 LEMS 68


Search completed: February [illegible], 11:11:14
Job time : 12 secs
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                         GenCore version 5.1.3
                 Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on.          February  8, 2003, 11:04:27 ; Search time 14 Seconds
                                            (without alignments)
                                           134.505 Million cell updates/sec

Title:           US-09-537-858C-1_COPY_28_91
Perfect score:   352
Sequence:        1 SPTTPCCFAYIARPLPRAHI..........VQANFEKKVVREYINSLEMS 64

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters:      262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :        Issued_Patents_AA:*
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                 2:  /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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       Pred. No. is the number of results predicted by chance to have a
       score greater than or equal to the score of the result being printed,
       and is derived by analysis of the total score distribution.

                                   SUMMARIES
                 %
Result           Query
  No     Score   Match Length DB  ID                           Description
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    1      352   100.0     67  4  US-09-141-833-2              Sequence 2, Appli
    2      352   100.0     68  2  US-08-936-387-1              Sequence 1, Appli
    3      352   100.0     68  2  US-08-615-232A-11            Sequence 11, Appl
    4      352   100.0     68  3  US-08-470-323-11             Sequence 11, Appl
    5      352   100.0     68  4  US-08-836-922-1              Sequence 1, Appli
    6      352   100.0     68  4  US-09-141-833-1              Sequence 1, Appli
    7      352   100.0     68  4  US-09-141-833-5              Sequence 5, Appli
    8      352   100.0     69  4  US-08-836-922-2              Sequence 2, Appli
    9      352   100.0     69  4  US-08-836-922-3              Sequence 3, Appli
   10      352   100.0     69  4  US-08-836-922-4              Sequence 4, Appli
   11      352   100.0     73  2  US-08-936-387-13             Sequence 13, Appl
   12      352   100.0     76  4  US-08-836-922-20             Sequence 20, Appl
   13      352   100.0     91  1  US-08-347-492B-12            Sequence 12, Appl
   14      352   100.0     91  1  US-08-375-346A-5             Sequence 5, Appli
   15      352   100.0     91  1  US-08-480-449-21             Sequence 21, Appl
   16      352   100.0     91  2  US-08-633-682-3              Sequence 3, Appli
   17      352   100.0     91  2  US-08-421-144A-8             Sequence 8, Appli
   18      352   100.0     91  2  US-09-660-542-21             Sequence 21, Appl
   19      352   100.0     91  2  US-08-798-143-12             Sequence 12, Appl
   20      352   100.0     91  2  US-08-467-123B-5             Sequence 5, Appli
   21      352   100.0     91  3  US-08-936-772-3              Sequence 3, Appli
   22      352   100.0     91  4  US-08-836-922-14             Sequence 14, Appl
   23      352   100.0     91  4  US-09-395-918-3              Sequence 3, Appli
   24      352   100.0     91  4  US-08-679-493A-155           Sequence 155, App
   25      352   100.0     91  4  US-09-479-603-21             Sequence 21, Appl
   26      352   100.0     91  4  US-09-230-371A-25            Sequence 25, Appl
   27      347    98.6     68  2  US-08-936-387-17             Sequence 17, Appl
   28      346    98.3     68  2  US-08-936-387-16             [illegible]
   29      344    97.7     69  2  US-08-716-188-5              [illegible]
   30      343    97.4     [illegible]  1  US-09-230-657-40    [illegible]
   31      341    96.9     68  2  US-08-936-387-18             [illegible]
   32      335    95.2     66  1  US-08-330-163-14             [illegible]
   33      335    95.2     66  1  US-08-482-111-14             [illegible]
   34      332    94.3     60  3  US-08-876-078-5              [illegible]
   35      332    94.3     61  4  US-08-831-823-5              [illegible]
   36      302    85.8     91  2  US-09-633-682-5              [illegible]
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   38      302    85.8     91  4  US-09-395-918-5              [illegible]
   39      302    85.8     91  4  US-08-679-493A-15[illegible] [illegible]
   40    198.5    56.4     69  2  US-08-450-905B-2             [illegible]
   41    198.5    56.4     [illegible]  [illegible]  US-08-545-047A-2  [illegible]
   42    198.5    56.4     69  2  US-08-615-232A-9             [illegible]
   43    198.5    56.4     69  3  US-08-470-323-9              [illegible]
   44    198.5    56.4     [illegible]  3  US-07-982-759F-2    [illegible]
   45    198.5    56.4     [illegible]  1  US-07-745-382-16    [illegible]

                                   ALIGNMENTS

RESULT 1
US-09-141-833-2
; Sequence 2, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF                [illegible]
;  FILE REFERENCE: GRFN 026/02US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/[illegible],232
;  EARLIER FILING DATE: 1997-09-03
;  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE: 1998-06-26
;  NUMBER OF SEQ ID NOS: [illegible]
;  SOFTWARE: PatentIn Ver. 2.[illegible]
; SEQ ID NO 2
;   LENGTH: 67
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-141-833-2

  Query Match             100.0%;  Score 352;  DB 4
  Best Local Similarity   100.0%;  Pred. No. [illegible]
  Matches   64;  Conservative    0;  Mismatches   [illegible]

Qy          1 SPTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTR[illegible]            [illegible]
              ||||||||||||||||||||||||||||||||||||||||
Db          4 SPTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTR[illegible]            [illegible]

Qy         61 LEMS 64
              ||||
Db         64 LEMS 67


RESULT 2
US-08-936-387-1
; Sequence 1, Application US/08936387
; Patent No. 5965697
;  GENERAL INFORMATION:
;     APPLICANT:  Czaplewski, Lloyd G.
;     APPLICANT:  Hunter, Michael G.
;     APPLICANT:  Edwards, Richard M.
;     APPLICANT:  Dawson, Keith M.
;     TITLE OF INVENTION:  USE OF CHEMOKINES
;     NUMBER OF SEQUENCES:  18
```

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;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HALE AND DORR LLP
;      STREET:  60 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  United States of America
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/936,387
;      FILING DATE:  25-SEP-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Baker, Hollie L.
;      REGISTRATION NUMBER:  31,321
;      REFERENCE/DOCKET NUMBER:  102378.262
; [illegible]ELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-526-6000
;      TELEFAX:  617-526-5000
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  68 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-936-387-1

  Query Match             100.0%;  Score 352;  DB 2;  Length 68;
  Best Local Similarity   100.0%;  Pred. No. 5.4e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          5 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 64

Qy         61 LEMS 64
              ||||
Db         65 LEMS 68


RES[illegible]T 3
US[illegible]615-232A 11
; S[illegible]dence 11, Application US/08615232A
; Patent No. 5993814
;  GENERAL INFORMATION:
;    APPLICANT:  WILLIAMS, TIMOTHY J
;    APPLICANT:  JOSE, PETER J.
;    APPLICANT:  GRIFFITHS-JOHNSON, DAVID A.
;    APPLICANT:  HSUAN, JOHN J.
;    TITLE OF INVENTION:  CHEMOTACTIC CYTOKINE
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/615,232A
;      FILING DATE:  13-AUG-1996
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9318984
;      FILING DATE:  14-SEP-1993
;      APPLICATION NUMBER:  GB 9408602
;      FILING DATE:  29-APR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  550-32
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  68 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
,    MOLECULE TYPE:  peptide
US-08-615-232A-11

  Query Match             100.0%;  Score 352;  DB 2;  Length 68;
  Best Local Similarity   100.0%;  Pred. No. 5.4e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          5 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 64

Qy         61 LEMS 64
              ||||
Db         65 LEMS 68


RESULT 4
US-08-470-323-11
; Sequence 11, Application US/08470323A
; Patent No. 6031080
; GENERAL INFORMATION:
;  APPLICANT: WILLIAMS, TIMOTHY J.
;  APPLICANT: JOSE, PETER J.
;  APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
;  APPLICANT: HSUAN, JOHN J.
;  TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
;  FILE REFERENCE: 550-33
;  CURRENT APPLICATION NUMBER: US/08/470,323A
;  CURRENT FILING DATE: 1995-06-06
;  EARLIER APPLICATION NUMBER: PCT/GB94/02006
;  EARLIER FILING DATE: 1994-09-14
;  EARLIER APPLICATION NUMBER: GB 9318984.3
;  EARLIER FILING DATE: 1993-09-14
;  EARLIER APPLICATION NUMBER: GB 9408602.2
;  EARLIER FILING DATE: 1994-04-29
;  NUMBER OF SEQ ID NOS: 11
; SEQ ID NO 11
;   LENGTH: 68
;   TYPE: PRT
;   ORGANISM: human
US-08-470-323-11

  Query Match             100.0%;  Score 352;  DB 3;  Length 68;
  Best Local Similarity   100.0%;  Pred. No. 5.4e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          5 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 64

Qy         61 LEMS 64
              ||||
Db         65 LEMS 68
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RESULT 5
US-08-836-922-1
; Sequence 1, Application US/08836922
; Patent No. 6159711
;  GENERAL INFORMATION:
;    APPLICANT.  INNES PROUDFOOT, AMANDA ELIZABETH
;    APPLICANT:  WELLS, TIMOTHY NIGEL CARL
;    TITLE OF INVENTION:  RANTES PEPTIDE AND FRAGMENTS AND
;    TITLE OF INVENTION   COMPOSITIONS COMPRISING IT FOR TREATMENT OF INFLAMMATION
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM.  PC-DOS/MS DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,922
;      FILING DATE:  23-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9424835.8
;      FILING DATE:  08-DEC-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9512319.6
;      FILING DATE:  16-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1420-163
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4011
;      TELEFAX:  (703) 816-4100
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  68 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS.  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-836-922-1

  Query Match             100.0%;  Score 352;  DB 4;  Length 68;
  Best Local Similarity   100.0%;  Pred. No. 5.4e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0,  Gaps    0,

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          5 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 64

Qy         61 LEMS 64
              ||||
Db         65 LEMS 68


RESULT 6
US-09-141-833-1
; Sequence 1, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
;  APPLICANT: OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT: WILKEN, JILL
;  TITLE OF INVENTION  N-TERMINAL MODIFICATIONS OF RANTES AND METHODS OF USE
;  FILE REFERENCE: GREN 026/03US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
,  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998-03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
;  EARLIER FILING DATE. 1998-06-26
;  NUMBER OF SEQ ID NOS: 16
,  SOFTWARE. PatentIn Ver.
, SEQ ID NO 1
;   LENGTH: 68
,   TYPE. PRT
,   ORGANISM. Homo sapiens
US-09-141-833-1

  Query Match             100.0%;  Score 352;  DB 4
  Best Local Similarity   100.0%;  Pred. No. 5.4e-
  Matches   64;  Conservative    0;  Mismatches

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK                   REYINS
              |||||||||||||||||||||||||||||||||||||||||
Db          5 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK                   REYINS

Qy         61 LEMS 64
              ||||
Db         65 LEMS 68


RESULT 7
US-09-141-833-5
, Sequence 5, Application US/09141833
; Patent No. 6168784
; GENERAL INFORMATION:
,  APPLICANT. OFFORD, ROBIN E
;  APPLICANT: THOMPSON, DARREN
;  APPLICANT. WILKEN, JILL
,  TITLE OF INVENTION. N TERMINAL MODIFICATIONS OF
,  FILE REFERENCE. GREN 026/03US
;  CURRENT APPLICATION NUMBER: US/09/141,833
;  CURRENT FILING DATE: 1998 08-28
;  EARLIER APPLICATION NUMBER: 60/056,292
;  EARLIER FILING DATE: 1997-09-03
,  EARLIER APPLICATION NUMBER: 60/077,874
;  EARLIER FILING DATE: 1998 03-13
;  EARLIER APPLICATION NUMBER: 60/090,834
,  EARLIER FILING DATE: 1998 06-26
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver.
; SEQ ID NO 5
;   LENGTH: 68
,   TYPE. PRT
,   ORGANISM: Homo sapiens
US-09-141-833-5

  Query Match             100.0%;  Score 352;  DB 4
  Best Local Similarity   100.0%,  Pred. No. 5.4e-
  Matches   64;  Conservative    0;  Mismatches

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK                   REYINS
              |||||||||||||||||||||||||||||||||||||||||
Db          5 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK                   REYINS

Qy         61 LEMS 64
              ||||
Db         65 LEMS 68


RESULT 8
US 08 836-922-2
, Sequence 2, Application US/08836922
, Patent No. 6159711
,  GENERAL INFORMATION:
,    APPLICANT.  INNES PROUDFOOT, AMANDA ELIZABETH
```

```
;    APPLICANT:  WELLS, TIMOTHY NIGEL CARL
;    TITLE OF INVENTION:  RANTES PEPTIDE AND FRAGMENTS AND
;    TITLE OF INVENTION:  COMPOSITIONS COMPRISING IT FOR TREATMENT OF INFLAMMATION
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,922
;      FILING DATE:  23-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9424835.8
;      FILING DATE:  08-DEC-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9512319.6
;      FILING DATE:  16-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1430-163
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4011
;      TELEFAX:  (703) 816-4100
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  69 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-836-922-2

  Query Match             100.0%;  Score 352;  DB 4;  Length 69;
  Best Local Similarity   100.0%;  Pred. No. 5.5e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          6 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 65

Qy         61 LEMS 64
              ||||
Db         66 LEMS 69


RESULT 9
US-08-836-922-3
; Sequence 3, Application US/08836922
; Patent No. 6159711
;  GENERAL INFORMATION:
;    APPLICANT:  INNES PROUDFOOT, AMANDA ELIZABETH
;    APPLICANT:  WELLS, TIMOTHY NIGEL CARL
;    TITLE OF INVENTION:  RANTES PEPTIDE AND FRAGMENTS AND
;    TITLE OF INVENTION:  COMPOSITIONS COMPRISING IT FOR TREATMENT OF INFLAMMATION
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,922
;      FILING DATE:  23-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9424835.8
;      FILING DATE:  08-DEC-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9512319.6
;      FILING DATE:  16-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1430-163
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4011
;      TELEFAX:  (703) 816-4100
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  69 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-836-922-3

  Query Match             100.0%;  Score 352;  DB 4;  Length 69;
  Best Local Similarity   100.0%;  Pred. No. 5.5e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          6 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 65

Qy         61 LEMS 64
              ||||
Db         66 LEMS 69


RESULT 10
US-08-836-922-4
; Sequence 4, Application US/08836922
; Patent No. 6159711
;  GENERAL INFORMATION:
;    APPLICANT:  INNES PROUDFOOT, AMANDA ELIZABETH
;    APPLICANT:  WELLS, TIMOTHY NIGEL CARL
;    TITLE OF INVENTION:  RANTES PEPTIDE AND FRAGMENTS AND
;    TITLE OF INVENTION:  COMPOSITIONS COMPRISING IT FOR TREATMENT OF INFLAMMATION
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,922
;      FILING DATE:  23-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9424835.8
;      FILING DATE:  08-DEC-1994
;    PRIOR APPLICATION DATA:
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;       APPLICATION NUMBER:  GB 9512319.6
;       FILING DATE:  16-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME.  WILSON, MARY J.
;       REGISTRATION NUMBER   32,955
;       REFERENCE/DOCKET NUMBER:  1430-163
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703) 816 4011
;       TELEFAX:  (703) 816-4100
;   INFORMATION FOR SEQ ID NO:  4
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  69 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-08-836-922-4

  Query Match              100.0%;  Score 352;  DB 4;  Length 69;
  B[illegible] Local Similarity   100.0%;  Pred. No. 5.5e-35;
  [illegible]es   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
              ||||||||: |||||||||||||||||||||||||||||||| ||||| |||||||||||||
Db          6 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 65

Qy         61 LEMS 64
              ||||
Db         66 LEMS 69


RESULT 11
US-08-936-387-13
; Sequence 13, Application US/08936387
; Patent No. 5965697
;  GENERAL INFORMATION:
;    APPLICANT:  Czaplewski, Llyod G
;    APPLICANT:  Hunter, Michael G
;    APPLICANT:  Edwards, Richard M
;    APPLICANT:  Daswon, Keith M
;    TITLE OF INVENTION:  USE OF CHEMOKINES
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HALE AND DORR LLP
;      STREET:  60 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  United States of America
;      ZIP:  02109
;    [illegible]MPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/936,387
;      FILING DATE:  25-SEP-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION.
;      NAME:  Baker, Hollie L.
;      REGISTRATION NUMBER:  31,321
;      REFERENCE/DOCKET NUMBER   100378.262
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-526-6000
;      TELEFAX:  617-526-5000
;   INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  73 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
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;    ANTI-SENSE:  NO
US-08-936-387-13

  Query Match              100.0%;  Score 352;  DB [illegible]
  Best Local Similarity   100.0%;  Pred. No. 5.8e-[illegible]
  Matches   64;  Conservative    0;  Mismatches   [illegible]

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK[illegible]            REYIN
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Db         10 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK[illegible]            REYIN

Qy         61 LEMS 64
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Db         70 LEMS 73


RESULT 12
US-08-836-922-20
, Sequence 20, Application US/08836922
; Patent No. 6159711
;  GENERAL INFORMATION:
;    APPLICANT:  INNES PROUDFOOT, AMANDA ELIZABETH
,    APPLICANT   WELLS, TIMOTHY NIGEL CARL
;    TITLE OF INVENTION:  RANTES PEPTIDE AND FRAGME
,    TITLE OF INVENTION:  [illegible] COMPRISING [illegible]
;    NUMBER OF SEQUENCES:  [illegible]
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
,      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #.
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,922
;      FILING DATE:  23 MAY 1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
,      APPLICATION NUMBER.  GB 9424835.8
;      FILING DATE:  08-DEC 1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9512319.6
;      FILING DATE:  16 JUN 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1430-163
,    TELECOMMUNICATION INFORMATION:
,      TELEPHONE.  (703) 816 4011
;      TELEFAX:  (703) 816 4100
,   INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;     LENGTH: 76 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-836-922-20

  Query Match              100.0%;  Score 352;  DB 4
  Best Local Similarity   100.0%;  Pred. No. 6.1e-[illegible]
  Matches   64;  Conservative    0;  Mismatches   [illegible]

Qy          1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK[illegible]            REYIN
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Db         13 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRK[illegible]            REYIN

Qy         61 LEMS 64
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Db      73 LEMS 76


RESULT 13
US 08 347 492B 12
; Sequence 12, Application US/08347492B
; Patent No 5602008
;  GENERAL INFORMATION.
;    APPLICANT:  Wilde, Craig G.
;    APPLICANT:  Hawkins, Phillip R.
;    APPLICANT:  Bandman, Olga
;    APPLICANT:  Seilhamer, Jeffrey J.
;    TITLE OF INVENTION.  EXPRESSED CHEMOKINES, THEIR
;    TITLE OF INVENTION.  PRODUCTION AND USES
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS.
;      ADDRESSEE:  Incyte Pharmaceuticals, Inc.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  U.S.
;      ZIP.  94304
;    COMPUTER READABLE FORM.
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA.
;      APPLICATION NUMBER.  US/08/347,492B
;      FILING DATE.  29 NOV 1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/303,241
;      FILING DATE:  07-SEP-1994
;      APPLICATION NUMBER.  08/320,311
;      FILING DATE:  05-OCT-1994
;    ATTORNEY/AGENT INFORMATION.
;      NAME:  Luther, Barbara J
;      REGISTRATION NUMBER.  33,954
;      REFERENCE/TICKET NUMBER.  PF 0024
;    TELECOMMUNICATION INFORMATION.
;      TELEPHONE:  415-855-0555
;      TELEFAX:  415-852-0195
;  INFORMATION FOR SEQ ID NO.  12.
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  91 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    IMMEDIATE SOURCE:
;      LIBRARY:  GENBANK
;      CLONE:  GI 134910
US-08-347-492B-12

  Query Match             100.0%;  Score 352;  DB 1;  Length 91;
  Best Local Similarity   100.0%;  Pred. No. 7.4e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
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Db       28 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 87

Qy       61 LEMS 64
            ||||
Db       88 LEMS 91


RESULT 14
US-08-375-346A-5
; Sequence 5, Application US/08375346A
; Patent No. 5605817
;  GENERAL INFORMATION:
;    APPLICANT:  Coleman, Roger
;    APPLICANT.  Wilde, Craig G.
;    APPLICANT:  Seilhamer, Jeffrey J.
;    TITLE OF INVENTION.  A NEW CHEMOKINE EXPRESSED IN FETAL SPLEEN,
;    TITLE OF INVENTION.  ITS PRODUCTION AND USES
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
;      STREET:  3330 HILLVIEW AVENUE
;      CITY:  PALO ALTO
;      STATE:  CALIFORNIA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM.
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE.  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER.  US/08/375,346A
;      FILING DATE:  19-JAN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LUTHER, BARBARA J.
;      REGISTRATION NUMBER.  33,954
;      REFERENCE/DOCKET NUMBER:  PF-0026 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 855-0555
;      TELEFAX:  (415) 855-0572
;      TELEX:
;  INFORMATION FOR SEQ ID NO.  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH.  91 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE.  peptide
;    HYPOTHETICAL.  NO
;    ANTI-SENSE.  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
US 08-375-346A-5

  Query Match             100.0%;  Score 352;  DB 1;  Length 91;
  Best Local Similarity   100.0%;  Pred. No. 7.4e-35;
  Matches   64,  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 60
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Db       28 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 87

Qy       61 LEMS 64
            ||||
Db       88 LEMS 91


RESULT 15
US-08-480-449-21
; Sequence 21, Application US/08480449
; Patent No. 5688927
;  GENERAL INFORMATION:
;    APPLICANT:  Godiska, Ronald
;    APPLICANT:  Gray, Patrick W.
;    TITLE OF INVENTION.  MACROPHAGE DERIVED CHEMOKINE
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY.  United States of America
```

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;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,449
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gass, David A.
;      REGISTRATION NUMBER:  38,153
;      REFERENCE/DOCKET NUMBER:  27966/32779
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  91 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  misc_feature
;      OTHER INFORMATION:  "RANTES"
US-08-480-449-21

  Query Match             100.0%;  Score 352;  DB 1;  Length 91;
  Best Local Similarity   100.0%;  Pred. No. 7.4e-35;
  Matches   64;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTPKNRQVCANPEKKWVREYINS 60
          |||.||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     28 SDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINS 87

Qy     61 LEMS 64
          ||||
Db     88 LEMS 91

Search completed: February 8, 2003, 11:08:04
Job time : 15 secs
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